~~K. 756.b.10~~
~~Ephemerides~~
~~9~~
P.P. 2465
9

'Ολυμπια Δώματα:

OR, AN

ALMANACK

For the YEAR of

Our LORD GOD, 1774;

Being the Second after

BISSEXTILE, or LEAP-YEAR,

And from the World's Creation, 5778.

Wherein is Contained the Lunations, Conjunctions, Aſpects, and Effects of the Planets; and Increaſe, Decreaſe, and Length of the Days and Nights; with the Riſing, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times, when either the Moon or Stars are ſeen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of *Stamford* (formerly a famous Univerſity) whoſe Latitude is 52 Deg. 20 Min. fitting all the middle Counties of *ENGLAND*, and, without ſenſible Error, the whole Kingdom.

Non eſt è Terris mollis ad Aſtra Via.

By TYCHO WING, *Philomath.*

LONDON:
Printed for the COMPANY of STATIONERS.

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[Price, Stitch'd, NINE PENCE.]

Common NOTES for the YEAR 1774.

The Golden Number	8
Epact	17
Cycle of the Sun	19
Dominical Letter	B
Roman Indiction	7
Number of Direction	13

A TABLE of TERMS and their Returns.

Returns or Eſſoign Days.		Exc.	Ret.	App.	W. D.
HILARY Term begins January 24—ends February 12.					
In Eight Days of St. *Hilary*, - - -	Jan. 20	21	22	24	Mond.
From the Day of St. *Hilary* in 15 Days,	27	28	29	31	Mond.
On the Morrow of the Purif. bleſſ. *Mary*,	Feb. 3	4	5	7	Mond.
In eight Days of the Purif. of bleſſed *Mary*,	9	10	11	12	Satur.
EASTER Term begins April 20—ends May 16.					
From the Day of Eaſter in 15 Days,	April 17	18	19	20	Wedn.
From the Day of Eaſter in 3 Weeks, - -	24	25	26	27	Wedn.
From the Day of Eaſter in 1 Month,	May 1	2	3	4	Wedn.
From the Day of Eaſter in 5 Weeks, - -	8	9	10	11	Wedn.
On the Morrow of the Aſcenſion, - - -	13	14	15	16	Mond.
TRINITY Term begins June 3—ends June 22.					
On the Morrow of the Holy Trinity,	May 30	31	J. 1	3	Friday
In Eight Days of the Holy Trinity, -	June 5	6	7	8	Wedn.
In 15 Days of the Holy Trinity, - - -	12	13	14	15	Wedn.
In 3 Weeks of the Holy Trinity, - - -	19	20	21	22	Wedn.
MICHAELMAS Term begins November 7—ends November 28.					
On the Morrow of All Souls. - -	Nov. 3	4	5	7	Mond.
On the Morrow of St. *Martin*, - - -	12	13	14	15	Tueſd.
In Eight Days of St. *Martin*, - - - -	18	19	20	21	Mond.
In 15 Days of St. *Martin*, - - - -	25	26	27	28	Mond.

N. B. No Sittings in Weſtminſter-Hall upon *Aſcenſion-Day*, *Miſummer-Day*, and the 2d of *February*.

The *Exchequer* opens Eight Days before any Term begins, except *Trinity*, before which it opens only Four Days.

Note, The Firſt and Laſt Days of every Term, are the Firſt and laſt Days of Appearance.

The REGAL Table.

The Year, Month, and Day, when each King and Queen began to reign, accounting the Year to begin *Jan.* 1		Length of each Reign, accounting 28 Ds. a Month.			Number of Years expired since they began to Reign.		
Kings Names	began to reign	Y.	M.	D.	Beg	Kings Names	
William I.	1066 Oct. 14	20	11	22	708	William	1
William II.	1087 Sept. 9	12	11	18	687	William	2
Henry I.	1100 Aug. 1	35	4	12	674	Henry	1
Stephen	1135 Dec. 2	18	11	19	639	Stephen	
Henry II.	1154 Oct. 25	34	9	2	620	Henry	2
Richard I.	1189 July 6	9	9	22	585	Richard	1
John	1199 April 6	17	7	1	575	John	
Henry III.	1216 Oct. 19	56	1	1	558	Henry	3
Edward I.	1272 Nov. 16	34	8	9	502	Edward	1
Edward II.	1307 July 7	12	7	6	467	Edward	2
Edward III.	1327 Jan. 25	50	5	7	447	Edward	3
Richard II.	1377 June 21	22	3	16	397	Richard	2
Henry IV.	1399 Sept. 29	13	6	4	375	Henry	4
Henry V.	1413 Mar. 20	9	5	24	361	Henry	5
Henry VI.	1422 Aug. 31	38	6	17	352	Henry	6
Edward IV.	1461 Mar. 4	22	1	8	313	Edward	4
Edward V.	1483 April 9	0	2	18	291	Edward	5
Richard III.	1483 June 22	2	2	5	291	Richard	3
Henry VII.	1485 Aug. 22	23	8	19	289	Henry	7
Henry VIII.	1509 April 22	37	10	1	265	Henry	8
Edward VI.	1547 Jan. 28	6	5	19	227	Edward	6
Q. Mary I.	1553 July 6	5	4	22	221	Q. Mary	
Q. Elizabeth	1558 Nov. 17	44	4	15	216	Q. Elizabeth	
James I.	1603 Mar. 24	22	0	3	171	James	1
Charles I.	1625 Mar. 27	23	11	1	169	Charles	1
Charles II.	1649 Jan. 30	36	0	7	125	Charles	2
James II.	1685 Feb. 6	4	0	17	89	James	2
Will. 3. & M.	1689 Feb. 13	13	0	14	85	William	3
Q. Anne	1702 Mar. 8	12	5	6	72	Q. Anne	
George I.	1714 Aug. 1	12	11	6	60	K. George	1
George II.	1727 June 11	33	4	13	47	K. George	2
George III.	1760 Oct. 25	Whom God grant long to Reign.					

A TABLE of the MOON's SOUTHING, of excellent Uſe to find the Time of High-Water, and Hour of the Night, for the Firſt Six Months of this preſent Year 1774.

Days	January.		February.		March.		April.		May.		June.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	2 M.	18	3 M.	17	2 M.	4	3 M.	42	4 M.	36	6	6
2	3	3	4	6	2	55	4	39	5	33	6	54
3	3	51	4	57	3	48	5	40	6	27	7	40
4	4	39	5	50	4	43	6	36	7	20	8	25
5	5	27	6	45	5	40	7	32	8	9	9	10
6	6	17	7	42	6	36	8	25	8	56	9	54
7	7	10	8	41	7	33	9	16	9	41	10	38
8	8	3	9	40	8	31	10	5	10	26	11	24
9	9	0	10	38	9	27	10	52	11	10	0 A.	13
10	10	0	11	35	10	21	11	38	11	54	1	2
11	11	2	0 A.	31	11	14	0 A.	26	0 A.	44	1	46
12	0 A.	4	1	20	0 A.	4	1	12	1	31	2	33
13	1	2	2	9	0	52	1	58	2	18	3	20
14	1	56	2	55	1	38	2	45	3	6	4	7
15	2	47	3	41	2	24	3	32	3	53	4	54
16	3	35	4	27	3	11	4	20	4	40	5	41
17	4	21	5	13	3	58	5	7	5	27	6	27
18	5	7	5	58	4	45	5	54	6	13	7	14
19	5	52	6	45	5	31	6	42	7	0	8	4
20	6	37	7	32	6	18	7	30	7	47	8	57
21	7	20	8	20	7	6	8	18	8	36	9	54
22	8	6	9	9	7	54	9	7	9	27	10	55
23	8	52	9	57	8	43	9	57	10	22	11	56
24	9	40	10	46	9	32	10	48	11	19	Morn.	
25	10	28	11	35	10	22	11	42	Morn.		0	59
26	11	16	Morn.		11	11	Morn.		0	18	2	0
27	Morn.		0	24	Morn.		0	38	1	20	2	57
28	0	5	1	14	0	2	1	36	2	23	3	52
29	0	53			0	54	2	35	3	24	4	43
30	1	40			1	48	3	36	4	20	5	31
31	2	29			2	44			5	14		

Note, The Moon, or any Star, is ſaid to be South, when they appea in that Quarter of the Heavens in which the Sun is at Noon Day which for the Moon this Table will direct you; and for the Planets

A TABLE of the MOON's SOUTHING, of excellent Uſe to find the Time of High-Water, and Hour of the Night, for the Laſt Six Months of the preſent Year 1774.

Days	July.		Auguſt.		September		October.		November		December	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	6 M.	17	7 M	12	8 M.	20	8 M.	44	9 M.	49	10 M.	2
2	7	2	7	56	9	7	9	32	10	39	10	58
3	7	48	8	46	9	54	10	19	11	30	11	55
4	8	33	9	34	10	42	11	7	0 A.	26	0 A.	58
5	9	18	10	20	11	29	11	56	1	23	2	0
6	10	4	11	7	0 A.	19	0 A.	47	2	22	3	0
7	10	50	11	54	1	7	1	40	3	21	3	59
8	11	36	0 A.	43	1	55	2	34	4	21	4	54
9	0 A.	26	1	29	2	45	3	31	5	18	5	46
10	1	13	2	14	3	37	4	28	6	14	6	34
11	1	59	3	3	4	31	5	25	7	7	7	21
12	2	46	3	51	5	27	6	23	7	57	8	8
13	3	32	4	40	6	24	7	19	8	45	8	54
14	4	18	5	32	7	22	8	14	9	33	9	40
15	5	4	6	27	8	20	9	8	10	20	10	26
16	5	52	7	24	9	17	9	59	11	6	11	12
17	6	43	8	23	10	13	10	48	11	53	11	59
18	7	37	9	23	11	6	11	37	Morn.		Morn.	
19	8	34	10	23	11	58	Morn.		0	40	0	45
20	9	33	11	21	Morn.		0	25	1	27	1	32
21	10	35	Morn.		0	48	1	12	2	14	2	19
22	11	37	0	16	1	37	1	59	3	1	3	5
23	Morn.		1	10	2	25	2	47	3	48	3	50
24	0	37	2	1	3	12	3	35	4	34	4	35
25	1	34	2	50	3	59	4	23	5	20	5	19
26	2	28	3	38	4	47	5	10	6	4	6	3
27	3	19	4	26	5	35	5	57	6	49	6	49
28	4	8	5	12	6	23	6	43	7	35	7	37
29	4	55	5	59	7	10	7	30	8	22	8	28
30	5	41	6	46	7	57	8	16	9	11	9	23
31	6	27	7	33			9	2			10	22

and moſt remarkable fixed Stars their Southing is noted in every Month in the Year, by which the Hour of the Night may be readily diſcovered.

The Uſe of the preceding TABLE *of the Moon's Southing, to find the Time of High-Water, and the Hour of the Night.*

I. To find the Time of High-Water in moſt Parts of ENGLAND.

Take the Time of the Moon's Southing for the Day propoſed, and to that add the Hours and Minutes which ſtand againſt the Place required in the following Table of Sea-Coaſts, and the Sum will be the Time of High-Water at the Place required on that Day.

A Table of the Sea Coaſts.

	H.	M.
Portſmouth, Queenborough, Southampton,	0	00
Rocheſter, Winchelſea, Fluſhing,	0	45
Downs, Graveſend, Ramkins, Guernſey,	1	30
Denbigh, Bell-Iſle, Holy-Iſle, Downs-Road,	2	15
London, Tinmouth, Whitby, Hartlepool,	3	00
Scarborough, Berwick, Fluſhing, Staples,	3	45
Flamborough, Humber, Bridlington Bay,	4	30
Plymouth, Ramſay, Newcaſtle, Severn,	5	15
Lynn, Foſdyke, Hull, Weymouth, Dartmouth, Croſs-Keys,	6	00
Boſton, Start-Point, Foulneſs, Briſtol-Key,	6	45
Bridgewater, Milford Haven, Lizard, Wintertown,	7	30
Yarmouth, Iſle of Wight, the Needles,	8	15
Iſle of Man, Orkney, Pool, South-Foreland,	9	10
Dover, Harwich, Orfordneſs, Bullein,	10	10
Rye, Solebay, Margate-Road,	11	15

II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls preciſely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Caſes,

2. If the Shadow wants of 12, ſee how much it wants of it; which Time, ſubtracted from that of the Moon's Southing, leaves the Time of Night. *Note*, You muſt add 12 Hours to the Moon's Southing, if Need be.

3. If the Shadow has paſt 12, add the Time that it has paſt it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if Need be.

The KALENDAR Explain'd.

The LEFT-HAND Pages contain at Top

The New and Full Moons with their Quarters; alſo the Riſing and Setting of *Jupiter* and *Venus* to every ſixth Day.

Below which are SEVEN Columns.

The firſt is the Days of the Month: The ſecond the Days of the Week, *Sundays* being marked with the Dominical Letter for the Year.

The third Column contains the Faſts and Feſtivals of the *Church of England*, and other remarkable Days, as alſo the Hour and Minute of the Sun's Riſing and Setting on certain Days, with other uſeful Particulars.

The fourth is the Nightly Riſing and Setting of the Moon.

The fifth contains the Moon's true Place in Longitude, exactly calculated from New and Correct Tables.

The ſixth contains the Moon's true Declination, for every Day at Noon, in the Meridan of *London*.

The ſeventh contains the Planets Mutual Aſpects and Variation of the Air.

On the Tops of the RIGHT-HAND Pages

Are nine Columns, containing the true Longitude and Declination of *Saturn*, *Jupiter*, *Mars*, and *Venus*, to every 6th Day of the Month.

Below Which

Are four other Columns. The firſt is the Days of the Month.

The Second Column contains the Sun's true Place.

The third is the Sun's Declination.

The fourth Column, under Obſervations, you have the Riſing, Southing, and Setting of *Saturn*, *Mars*, and *Mercury* to certain Days; alſo the Moon's Appulſe to ſome noted fixed Stars, and Planets, with many other uſeful Remarks.

Note. You have the Longitude and Declination of *Mercury* in the Page after *December*.

January 1774.

Laſt Quarter	the 5th day, at 6 at night.
New Moon	the 12th day, at 9 in the morn.
First Quarter	the 19th day, at 3 in the after.
Full Moon	the 27th day, at 7 at night.

Days	Jupiter ſets.	Venus ſets.
1	11A.21	8A.10
7	11 0	8 22
13	10 38	8 33
19	10 17	8 43
25	9 51	8 50

M D	W D.	Holy Days ☉ riſes & ſets	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	S	Circumciſion.	8A. 1	20♌16	12N. 4	Sharp froſty
2	B	2 S. aft. Chriſt.	9 5	2♍57	8 42	weather.
3	M	Sun riſes 8 8	10 15	15 51	4 52	
4	T	Sun ſets 3 53	11 26	29 0	0 45	
5	W	OldChriſt.Day	Morn.	12♎25	3S. 30	
6	T	Epiphany.	0 39	26 11	7 37	
7	F		1 53	10♏18	11 28	
8	S	Lucian.	3 9	24 45	14 43	☽ in Perigeo.
9	B	1 S. aft. Epiph.	4 22	9♐29	17 4	Wind and Rain
10	M	Plough-Mond.	5 33	24 27	18 18	□ ♄ ☿
11	T	Day br. 5 53	6 35	9♑27	18 17	
12	W	OldN.Year.da.	☽ ſets	24 21	16 57	
13	T	Camb. T. beg.	5A.58	9♒0	14 33	Hilary. Cold
14	F	Oxf. T. beg.	7 12	23 15	11 22	Winds with froſty
15	S		8 24	7♓2	7 36	△ ☉ ♄ (Air.
16	B	2 S. aft. Epiph.	9 35	20 21	3 36	
17	M	O.Twelfth Da.	10 43	3♈15	0N. 5	□ ♃ ☿
18	T	O.Ch.b.d.kept	11 48	15 47	4 25	
19	W	Sun riſes 7 51	Morn.	28 2	8 5	
20	T	Fabian.	0 53	10♉5	11 15	
21	F	Agnes.	1 54	21 59	14 3	
22	S		2 52	3♊52	16 12	☽ in Apo. ☌☉♂
23	B	3 S. aft. Epiph.	3 49	15 45	17 39	Wet and windy
24	M	Term begins	4 44	27 42	18 21	with Snow or Sleet.
25	T	Conv. St. Paul	5 32	9♋48	18 13	✱ ☉ ♃
26	W	Sun ſets 4 20	6 15	22 0	17 15	✱ ♃ ♂
27	T	Pr.Aug.Fr.bo.	☽ riſes	4♌25	15 27	
28	F		5A.40	17 0	12 54	More mild at
29	S	Clock faſt 14 m.	6 47	29 48	9 36	the End.
30	B	Septuag. Sund.	7 57	12♍48	5 58	K.Cha.I.Mart.
31	M	Twilight 2 0	9 8	25 58	1 54	

Wing.	Days	Saturn. ♊		Saturn. Declin.		Jupiter. ♈		Jupiter. Declin.		Mars. ♑		Mars. Declin.		Venus. ♒		Venus. Declin.	
	1	26	10	3 N.	32	1	49	0 S.	9	16	14	23 S.	26	28	8	13 S.	21
Jan.	7	26 ℞	11	3	34	2	35	0	8	20	53	22	48	4 ♓	28	10	37
	13	26	7	3	36	3	27	0 N.	13	25	34	22	4	10	36	7	49
1774.	19	25	59	3	40	4	24	0	36	0 ♒	16	21	8	16	26	5	0
	25	25	48	3	46	5	25	1	2	4	58	20	3	21	56	2	9

M. D.	Sun's Place.		Sun's Declin.		Obſervations.
1	11 ♑	16	22 S.	59	Saturn riſes 35 min. paſt 10 at night.
B	12	17	22	54	Mars ſets 15 min. paſt 4 at night.
3	13	18	22	48	Seven Stars ſouth 36 min. paſt 8 at night.
4	14	19	22	42	Day 7 h. 46 min. long.
5	15	21	22	35	Day increaſed 14 minutes.
6	16	22	22	28	
7	17	23	22	20	Saturn riſes 9 min. paſt 10 at night.
8	18	24	22	12	
B	19	25	22	4	Venus's greateſt veſpertine Elong. from the Sun
10	20	26	21	55	47° 8′, ſets 4 h. 24 min. after him. 10th Day.
11	21	27	21	45	Mercury's greateſt matutine Elong. from
12	22	29	21	35	the Sun 23° 44′, riſes 1 h. 38m. before him.
13	23	30	21	25	
14	24	31	21	15	Saturn riſes 38 m. paſt 9 at night.
15	25	32	21	4	Seven Stars ſouth 43 m. paſt 7 at night.
B	26	33	20	52	Day 8 h. 10 min. long.
17	27	34	20	40	Day increaſed 38 min.
18	28	35	20	28	
19	29	36	20	16	Sun enters ♒ 17 min. paſt 9 at night.
20	♒	38	20	3	
21	1	38	19	49	Saturn riſes 8 min. paſt 9 at night.
22	2	39	19	36	Mercury riſes 34 min. paſt 6 in the morn.
B	3	40	19	21	Day 8 h. 30 min. long.
24	4	41	19	7	Day increaſed 58 min.
25	5	42	18	52	
26	6	43	18	37	Saturn riſes 47 m. paſt 8 at night.
27	7	44	18	21	Mercury riſes 43 m. paſt 6 in the morn.
28	8	45	18	6	Rigel ſouth 17 m. after 8 at night.
29	9	46	17	50	
B	10	47	17	33	
31	11	48	17	16	

February 1774.

Laſt Quarter the 4th day, at 3 in the morn.
New Moon the 10th day, at 9 at night.
Firſt Quarter the 18th day, at noon.
Full Moon the 26th day, at 11 in the morn.

Days	Jupiter ſets.	Venus ſets.
1	9A 36	8 A58
7	9 17	9 1
13	9 1	9 1
19	8 46	8 58
25	8 31	8 49

M. D.	W. D.	Holy Days. ☉ riſes and ſets	Moon riſes.	Moon's Place.	Moon's Declin	Aſpects and Weather.
1	T	Day br. 5 30	10A.20	9 ♎ 23	2S.19	
2	W	Purif. B.V.M.	11 34	23 0	6 30	
3	T	Blaſe.	Morn	6 ♏ 47	10 21	⚹ ♀ ☿
4	F		0 48	20 48	13 43	
5	S	Agatha.	2 0	5 ♐ 3	16 17	☽ in Perigeo.
6	B	Sexageſ. Sund.	3 11	19 25	17 53	Cold rain or
7	M	Sun riſes 7 20	4 16	3 ♑ 56	18 19	ſleet.
8	T	Sun ſets 4 42	5 12	18 27	17 35	
9	W		6 0	2 ♒ 56	15 42	⚹ ♃ ☿
10	T	Clock faſt 15m.	☽ ſets	17 13	12 51	
11	F	Twilight 1 58	5A.55	1 ♓ 13	9 19	
12	S	Term ends.	7 4	14 52	5 18	
13	B	Shrove-Sund.	8 19	28 9	1 14	Old Candl. Day
14	M	Valentine.	9 28	11 ♈ 4	2N 48	Wet and windy
15	T	Shrove-Tueſ.	10 33	23 38	6 38	Weather.
16	W	Aſh-Wedneſd.	11 36	5 ♉ 56	10 5	
17	T		Morn.	18 1	13 3	
18	F	Sun riſes 6 59	0 38	29 57	15 24	
19	S	Sun ſets 5 3	1 34	11 ♊ 51	17 7	☽ in Apogeo.
20	B	1 Sund. in Lent	2 28	23 45	18 4	☌ ♂ ☿
21	M	Day br. 4 57	3 25	5 ♋ 45	18 14	Moderate for
22	T		4 9	17 52	17 35	the Seaſon.
23	W	Ember-Week.	4 50	0 ♌ 13	16 6	
24	T	St. Matthias.	5 27	12 48	13 49	
25	F	Sun riſes 6 46	5 49	25 38	10 46	
26	S	Sun ſets 5 16	☽ riſes	8 ♍ 45	7 12	☌ ☉ ☿
27	B	2 Sund. in Lent	6A.56	22 8	3 10	Sleet or cold
28	M		8 9	5 ♎ 45	1S. 7	rain.

Wing.	Days	Saturn.				Jupiter.				Mars.				Venus.			
		♍	℞	Declin.		♈		Declin.		♒		Declin.		♓		Declin.	
	1	25	31	3N	56	6	42	1N	33	10	28	18S.	40	27	48	1N	4
Feb.	7	25	12	4	5	7	51	2	2	15	12	17	20	2♈	14	3	39
	13	24	50	4	15	9	4	2	32	19	56	15	51	6	0	6	1
1774.	19	24	27	4	25	10	20	3	2	24	40	14	19	8	50	8	6
	25	24	2	4	35	11	38	3	34	29	24	12	42	10	35	9	47

M D.	Sun's Place.		Sun's Declin.		Obſervations.
1	12♒	49	16S.	59	Day 9 hours long.
2	13	49	16	42	Day increaſed 1 hour 28 min.
3	14	50	16	24	Saturn riſes 13 min. after 8 at night.
4	15	51	16	6	
5	16	52	15	48	Mars riſes 19 min. paſt 7 in the morn.
B	17	52	15	30	Day 9 hours 16 min. long.
7	18	53	15	11	Day increaſed 1 hour 46 min.
8	19	54	14	52	Rigel ſouth 33 min. paſt 7 at night.
9	20	55	14	33	
10	21	55	14	13	Saturn riſes 43 min. paſt 7 at night.
11	22	56	13	53	Day 9 hours 36 min. long.
12	23	56	13	33	Day increaſed 2 hours 4 min.
B	24	57	13	13	Saturn riſes 30 min. paſt 7 at night.
14	25	58	12	53	
15	26	58	12	32	Sirius ſouth 37 min. paſt 8 at night.
16	27	59	12	12	Day 9 hours 54 min. long.
17	28	59	11	51	
18	29	59	11	29	Sun enters ♓ 14 min. paſt noon.
19	1♓	0	11	8	Saturn riſes 4 min. after 7 at night.
B	2	0	10	47	
21	3	0	10	25	Procyon ſouth 6 min paſt 9 at night.
22	4	1	10	3	Day 10 hours 16 min. long.
23	5	1	9	41	Day increaſed 2 hours 46 min.
24	6	1	9	19	
25	7	2	8	57	Saturn riſes 38 min. paſt 6 at night.
26	8	2	8	34	Sirius ſouth 55 min. paſt 7 at night.
B	9	2	8	12	Procyon ſouth 44 min. after 8 at night.
28	10	2	7	49	

March 1774.

Laſt Quarter the 5th day, at 10 in the morn.
New Moon the 12th day, at 10 in the morn.
Firſt Quarter the 20th day, at 9 in the morn.
Full Moon the 27th day, at 11 at night.

Days	Jupiter ſets.	Venus ſets.
1	8A 21	8 A38
7	8 7	8 16
13	7 53	7 44
19	7 38	7 2
25	7 25	riſes.

M. D.	W. D.	Holy Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	T	David.	9A.22	19♎33	5S.23	
2	W	Chad.	10 38	3♏31	9 24	
3	T	Day br. 4 39	11 52	17 36	12 55	
4	F	Clock faſt 12m.	Morn.	1♐46	15 40	☽ in Perigeo.
5	S		1 5	15 57	17 29	
6	B	3 Sund. in Lent.	2 11	0♑8	18 13	Wind and cold
7	M	Sun riſes 6 26	3 9	14 19	17 50	rain.
8	T	Sun ſets 5 36	3 57	28 24	16 17	
9	W		4 40	12♒18	13 54	
10	T	Twilight 1 57	5 16	26 10	10 38	
11	F	Day br. 4 21	5 47	9♓45	6 53	
12	S	Gregory.	☽ ſets	23 5	2 52	☍ ☉ ♄. Sharp
13	B	Midlent-Sund.	7A 15	6♈8	1N.14	air with froſt.
14	M		8 21	18 55	5 11	☌ ♀ ☿
15	T	Sun riſes 6 10	9 25	1♉26	8 50	
16	W	Sun ſets 5 52	10 29	13 41	12 0	
17	T	St. Patrick.	11 31	25 47	14 37	
18	F	Edw.K.W.Sax.	Morn.	7♊45	16 33	☽ in Apogeo.
19	S		0 29	19 39	17 47	☌ ♃ ☿
20	B	5 Sund. in Lent.	1 22	1♋33	18 15	
21	M	Benedict.	2 7	13 31	17 54	Chang. weather
22	T	Clock faſt 7m.	2 52	25 40	16 43	now about.
23	W	Day br. 3 55	3 30	8♌1	14 45	☌ ☉ ♀
24	T		4 3	20 40	12 1	
25	F	Lady-day.	4 34	3♍28	8 38	Camb. T. ends.
26	S	Oxf. T. ends.	5 3	17 0	4 44	☍ ♄ ♂
27	B	Palm-Sunday.	☽ riſes	0♎42	0 27	
28	M		7A.15	14 44	3S.52	Wet and windy
29	T	Sun riſes 5 42	8 30	29 1	8 10	
30	W	Sun ſets 6 20	9 47	13♏28	11 58	
31	T	Maunday-Th.	11 2	28 0	15 3	

Wing.	Days	Saturn. ℞	Saturn. Declin.	Jupiter. ♈	Jupiter. Declin.	Mars. ♓	Mars. Declin.	Venus. ♈	Venus. Declin.
	1	23 43	4N. 42	12 31	3N 55	2 33	11 S. 34	11 2	11N 35
Mar.	7	23 16	4 53	13 53	4 28	7 17	9 51	10℞30	11 12
	13	22 47	5 5	15 16	5 1	12 0	8 2	8 29	10 57
1774.	19	22 19	5 17	16 40	5 34	16 42	6 12	5 16	9 52
	25	21 51	5 28	18 5	6 6	21 24	4 21	1 32	7 57

M D.	Sun's Place.		Sun's Declin.		Obſervations.
1	11 ♓	2	7 S.	26	Saturn riſes 23 min. after 6 at night.
2	12	2	7	3	Mars riſes 23 min. paſt 6 in the morn.
3	13	2	6	40	Pollux ſouth 33 min. paſt 8 at night.
4	14	2	6	17	
5	15	2	5	54	Day 11 hours long.
B	16	2	5	31	Day increaſed 3 hours 30 min.
7	17	2	5	8	Saturn riſes 59 min. paſt 5 at night.
8	18	2	4	44	
9	19	2	4	21	Hydra's Heart ſouth 56 m. paſt 9 at night.
10	20	2	3	57	Day 11 hours 20 min. long.
11	21	2	3	34	Day increaſed 3 hours 50 min.
12	22	1	3	10	
B	23	1	2	47	Regulus ſouth 21 m. paſt 10 at night
14	24	1	2	23	Mars riſes 55 min. paſt 5 in the morn.
15	25	0	1	59	Mercury ſets 23 min. paſt 7 at night.
16	26	0	1	36	
17	27	0	1	12	Day 11 hours 48 min. long.
18	27	59	0	48	Day increaſed 4 hours 18 minutes.
19	28	59	0	25	
B	29	58	0	1	Sun enters ♈ 44 min. paſt noon.
21	♈	58	0N	23	Hydra's Heart ſouth 11 m. paſt 9 at night.
22	1	57	0	46	Saturn ſets 2 min. after 6 in the morn.
23	2	56	1	10	
24	3	56	1	34	Mercury's greateſt veſpertine Elong. from
25	4	55	1	57	the Sun 18° 40′, ſets 1 h. 53m. after him.
26	5	54	2	21	
B	6	54	2	44	Regulus ſouth 29 min. paſt 9 at night.
28	7	53	3	8	Day 12 hours 32 min. long.
29	8	52	3	31	Day increaſed 5 hours 2 min.
30	9	51	3	54	
31	10	50	4	17	

March 1774.

Laſt Quarter the 5th day, at 10 in the morn.
New Moon the 12th day, at 10 in the morn.
Firſt Quarter the 20th day, at 9 in the morn.
Full Moon the 27th day, at 11 at night.

Days	Jupiter ſets.	Venus ſets.
1	8A 21	8 A38
7	8 7	8 16
13	7 53	7 44
19	7 38	7 2
25	7 25	riſes.

M D.	W D.	Holy Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	T	David.	9A.22	19♎33	5S.23	
2	W	Chad.	10 38	3♏31	9 24	
3	T	Day br. 4 39	11 52	17 36	12 55	
4	F	Clock faſt 12m.	Morn.	1♐46	15 40	☽ in Perigeo.
5	S		1 5	15 57	17 29	
6	B	3 Sund.in Lent.	2 11	0♑ 8	18 13	Wind and cold
7	M	Sun riſes 6 26	3 9	14 19	17 50	rain.
8	T	Sun ſets 5 36	3 57	28 24	16 17	
9	W		4 40	12♒18	13 54	
10	T	Twilight 1 57	5 16	26 10	10 38	
11	F	Day br. 4 21	5 47	9♓45	6 53	
12	S	Gregory.	☽ ſets	23 5	2 52	☍ ☉ ♄. Sharp
13	B	Midlent-Sund.	7A 15	6♈ 8	1N.14	air with froſt.
14	M		8 21	18 55	5 11	☌ ♀ ☿
15	T	Sun riſes 6 10	9 25	1♉26	8 50	
16	W	Sun ſets 5 52	10 29	13 41	12 0	
17	T	St. Patrick.	11 31	25 47	14 37	
18	F	Edw.K.W.Sax.	Morn.	7♊45	16 33	☽ in Apogeo.
19	S		0 29	19 39	17 47	☌ ♃ ☿
20	B	5 Sund.in Lent.	1 22	1♋33	18 15	
21	M	Benedict.	2 7	13 31	17 54	Chang.weather
22	T	Clock faſt 7m.	2 52	25 40	16 43	now about.
23	W	Day br. 3 55	3 30	8♌ 1	14 45	☌ ☉ ♀
24	T		4 3	20 40	12 1	
25	F	Lady-day.	4 34	3♍28	8 38	Camb. T. ends.
26	S	Oxf. T. ends.	5 3	17 0	4 44	☍ ♄ ♂
27	B	Palm-Sunday.	☽ riſes	0♎42	0 27	
28	M		7A.15	14 44	3S.52	Wet and windy
29	T	Sun riſes 5 42	8 30	29 1	8 10	
30	W	Sun ſets 6 20	9 47	13♏28	11 58	
31	T	Maunday-Th.	11 2	28 0	15 3	

Wing.	Days	Saturn. ℞		Saturn. Declin.		Jupiter. ♈		Jupiter. Declin.		Mars. ♓		Mars. Declin.		Venus. ♈		Venus. Declin.	
	1	23	43	4N.	42	12	31	3N	55	2	33	11 S.	34	11	2	11N	35
Mar.	7	23	16	4	53	13	53	4	28	7	17	9	51	10 ℞	30	11	12
	13	22	47	5	5	15	16	5	1	12	0	8	2	8	29	10	57
1774.	19	22	19	5	17	16	40	5	34	16	42	6	12	5	16	9	52
	25	21	51	5	28	18	5	6	6	21	24	4	21	1	32	7	57

M. D.	Sun's Place.		Sun's Declin.		Obſervations.
1	11 ♓	2	7 S.	26	Saturn riſes 23 min. after 6 at night.
2	12	2	7	3	Mars riſes 23 min. paſt 6 in the morn.
3	13	2	6	40	Pollux ſouth 33 min. paſt 8 at night.
4	14	2	6	17	
5	15	2	5	54	Day 11 hours long.
B	16	2	5	31	Day increaſed 3 hours 30 min.
7	17	2	5	8	Saturn riſes 59 min. paſt 5 at night.
8	18	2	4	44	
9	19	2	4	21	Hydra's Heart ſouth 56 m. paſt 9 at night.
10	20	2	3	57	Day 11 hours 20 min. long.
11	21	2	3	34	Day increaſed 3 hours 50 min.
12	22	1	3	10	
B	23	1	2	47	Regulus ſouth 21 m. paſt 10 at night
14	24	1	2	23	Mars riſes 55 min. paſt 5 in the morn.
15	25	0	1	59	Mercury ſets 23 min. paſt 7 at night.
16	26	0	1	36	
17	27	0	1	12	Day 11 hours 48 min. long.
18	27	59	0	48	Day increaſed 4 hours 18 minutes.
19	28	59	0	25	
B	29	58	0	1	Sun enters ♈ 44 min. paſt noon.
21	♈	58	0N	23	Hydra's Heart ſouth 11 m. paſt 9 at night.
22	1	57	0	46	Saturn ſets 2 min. after 6 in the morn.
23	2	56	1	10	
24	3	56	1	34	Mercury's greateſt veſpertine Elong. from
25	4	55	1	57	the Sun 18° 40′, ſets 1 h. 53m. after him.
26	5	54	2	21	
B	6	54	2	44	Regulus ſouth 29 min. paſt 9 at night.
28	7	53	3	8	Day 12 hours 32 min. long.
29	8	52	3	31	Day increaſed 5 hours 2 min.
30	9	51	3	54	
31	10	50	4	17	

April 1774.

Laſt Quarter the 3d day, at 5 in afternoon.
New Moon the 10th day, at midnight.
Firſt Quarter the 19th day, at 3 in the morn.
Full Moon the 26th day, at 10 in the morn.

Days	Jupiter ſets.	Venus riſes.
1	7 A. 8	4 M 27
7	6 56	4 6
13	riſes	3 56
19	4 M 55	3 41
25	4 34	3 28

M. D.	W. D.	Holy Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	F	Good-Friday.	Morn.	12 ♐ 29	17 S. 11	☽ in Perigeo.
2	S	Day br. 3 31	0 13	26 52	18 10	☌ ♂ ♀
3	B	Eaſter-Sunday.	1 12	11 ♑ 5	18 4	Richard.
4	M	Eaſter-Mond.	2 5	25 7	16 50	Briſk winds,
5	T	Eaſter-Tueſd.	2 48	8 ♒ 54	14 36	Old Lady Day.
6	W		3 25	22 30	11 36	but moſtly fair.
7	T	Sun riſes 5 25	3 57	5 ♓ 54	8 1	
8	F	Sun ſets 6 37	4 26	19 5	4 6	
9	S	Clock faſt 2 m.	4 51	1 ♈ 58	0 5	
10	B	Low-Sunday	5 15	14 43	3 N. 54	
11	M		☽ ſets	27 15	7 41	☌ ☉ ☿ ☌ ♃ ☿
12	T	Twilight 2 11	8 A. 52	9 ♉ 36	11 2	☌ ☉ ♃. Some
13	W	Oxf. & Cam. T. beg.	9 27	21 47	13 54	fruiful ſhowers
14	T	Day br. 2 59	10 27	3 ♊ 49	16 4	
15	F	Sun riſes 5 9	11 22	15 41	17 34	☽ in Apogeo.
16	S	Sun ſets 6 53	Morn.	27 37	18 17	
17	B	2 S. aft. Eaſter.	0 12	9 ♋ 30	18 12	
18	M		0 56	21 26	17 20	
19	T	Alphege.	1 34	3 ♌ 32	15 38	
20	W	Term begins.	2 10	15 51	13 13	
21	T		2 41	28 28	10 8	
22	F	Clock ſlow 2 m.	3 9	11 ♍ 27	6 28	
23	S	St. George.	3 37	24 52	2 21	
24	B	3 S. aft. Eaſter.	4 3	8 ♎ 43	2 S. 8	
25	M	St. Mark.	4 32	23 0	6 26	☌ ♂ ☿
26	T		☽ riſes	7 ♏ 40	10 33	Fair and plea-
27	W	Day br. 2 19	8 A. 49	22 34	14 4	ſant.
28	T	Sun riſes 4 45	10 3	7 ♐ 34	16 40	
29	F	Sun ſets 7 16	11 12	22 29	18 8	☽ in Perigeo.
30	S		Morn.	7 ♑ 12	18 21	

Wing.	Days	Saturn.			Jupiter.			Mars.			Venus.		
		♍	℞	Declin.	♈		Declin	♓		Declin.	♓	℞	Declin.
	1	21	20	5 N 39	19	46	6 N. 44	26	52	2 S. 11	27	37	5 N 28
April	7	20	55	5 49	21	13	7 17	1 ♈	32	0 17	25	29	3 22
	13	20	33	5 58	22	30	7 49	6	10	1 N 36	24	46	1 54
1774.	19	20	11	6 5	24	6	8 21	10	47	3 28	25	D 29	1 1
	25	19	56	6 10	25	33	8 52	15	22	5 17	27	24	0 41

M D.	Sun's Place.		Sun's Declin.		Obſervations.
1	11 ♈	49	4 N.	41	Mercury ſets 2 min. after 8 at night.
2	12	48	5	4	Saturn ſets 20 min. paſt 5 in the morn.
B	13	47	5	27	Mars riſes 9 min. paſt 5 in the morn.
4	14	46	5	50	
5	15	45	6	12	Day 13 hours 4 min. long.
6	16	44	6	35	Day increaſed 5 hours 34 min.
7	17	43	6	58	Deneb ſouth 31 min. paſt 10 at night.
8	18	42	7	20	
9	19	41	7	42	Virgin's Spike ſouth 59 m. paſt 11 at night.
B	20	39	8	4	Saturn ſets 50 min. paſt 4 in the morn.
11	21	38	8	26	Day 13 hours 26 min. long.
12	22	37	8	48	
13	23	36	9	10	Deneb ſouth 5 min. paſt 10 at night.
14	24	34	9	32	Day increaſed 6 hours 4 min.
15	25	33	9	53	Mars riſes 41 min. paſt 4 in the morn.
16	26	31	10	14	
B	27	30	10	36	Day 13 hours 50 min. long.
18	28	28	10	57	Arcturus ſouth 39 m. before 1 in the morn.
19	29	27	11	17	
20	♉	25	11	38	Sun enters ♉ 35 m. paſt 1 in the morn.
21	1	24	11	58	
22	2	22	12	18	Saturn ſets 5 min. paſt 4 in the morn.
23	3	21	12	38	Day increaſed 6 hours 38 min.
B	4	19	12	58	
25	5	17	13	18	Mars riſes 17 min. paſt 4 in the morn.
26	6	15	13	37	Saturn ſets 50 min. paſt 3 in the morn.
27	7	14	13	57	Day 14 hours 26 minutes long.
28	8	12	14	15	Day increaſed 6 hours 56 min.
29	9	10	14	34	Arcturus ſouth 37 min. paſt 11 at night.
30	10	8	14	52	

May 1774.

Laſt Quarter the 2d day, at midnight.
New Moon the 10th day, at 3 in the aftern.
Firſt Quarter the 18th day, at 7 at night.
Full Moon the 25th day, at 5 in the aftern.

Days	Jupiter riſes.	Venus riſes.
1	4M13	3M16
7	3 52	3 7
13	3 32	2 55
19	3 12	2 43
25	2 52	2 30

M. D.	W. D.	Holy Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	B	4 S. aft. Eaſter.	0M. 9	21 ♑ 37	17S. 23	St. Phil. & Jam.
2	M	Day br. 2 2	0 56	5 ♒ 41	15 22	
3	T	Inv. of the Croſs	1 36	19 25	12 30	
4	W	Twilight 2 42	2 9	2 ♓ 50	9 1	Wind and ſome
5	T		2 37	15 53	5 11	ſhowers.
6	F	St John, A.P.L.	3 3	28 45	1 10	
7	S	Clock ſlow 4m.	3 27	11 ♈ 25	2N50	
8	B	Rogat.-Sund.	3 51	23 50	6 38	
9	M	Sun riſes 4 26	4 17	6 ♉ 8	10 8	
10	T	Sun ſets 7 36	☽ ſets	18 17	13 9	△ ☉ ♄
11	W		8A.24	0 ♊ 20	15 35	
12	T	Holy Thurſd.	9 19	12 18	17 20	Old May Day.
13	F	Day br. 1 19	10 11	24 11	18 17	☽ in Apo. 12 day
14	S		10 58	6 ♋ 2	18 28	☌ ♃ ♂. Fair
15	B	6 S. after Eaſter	11 39	17 54	17 50	and pleaſant.
16	M	Term ends.	Morn.	29 50	16 26	☌ ♃ ☿
17	T	Sun riſes 4 15	0 14	11 ♌ 54	14 16	☌ ♂ ☿
18	W	Sun ſets 7 47	0 45	24 10	11 27	
19	T	Q. Charl. born	1 14	6 ♍ 42	8 2	Oxf. T. ends.
20	F	Clock ſlow 4m.	1 38	19 36	4 9	Warm winds &
21	S		2 5	2 ♎ 57	0S. 6	gentle ſhowers.
22	B	Whit-Sunday.	2 33	16 47	4 26	Prs. Eliz. born.
23	M	Monday.	3 0	1 ♏ 8	8 43	
24	T	Tueſday.	3 33	15 52	12 34	
25	W	Ember Week.	☽ riſes	0 ♐ 59	15 43	
26	T	Auguſtin, A.B.	8A.54	16 19	17 47	☽ in Perigeo.
27	F	Ven. Bede.	9 58	1 ♑ 34	18 33	Windy and
28	S		10 52	16 39	18 3	wet.
29	B	Trinity Sunday	11 36	1 ♒ 20	16 19	K. Ch. II. Reſt.
30	M	Sun riſes 3 59	Morn.	15 36	13 36	
31	T	Sun ſets 8 2	0 11	29 25	10 10	

Wing.	Days	Saturn ♍ ℞		Decl.		Jupiter ♈		Dec.		Mars ♈		Dec.		Venus ♈		Dec.	
May,	1	19	42	6N	14	26	58	9N	23	19	56	7N	5	0	22	0N	54
	7	19	31	6	17	8	22	9	53	24	29	8	48	4	5	1	35
1774.	13	19	24	6	20	29	40	10	21	28	59	10	29	8	28	2	41
	19	19	21	6	21	1 ♉	9	10	52	3 ♉	28	11	6	13	20	4	0
	25	19D.	21	6	20	2	29	11	20	7	55	13	37	18	36	5	34

M D	Sun's Place.		Sun's Declin.		Obſervations.
B	11 ♉	6	15 N	11	Saturn ſets 32 min. paſt 3 in the morning.
2	12	4	15	28	Mars riſes 58 min. after 3 in the morning.
3	13	2	15	46	Day 14 hours 48 minutes long.
4	14	0	16	3	Day increaſed 7 hours 18 minutes.
5	14	58	16	21	Arcturus ſouth 14 min. after 11 at night.
6	15	56	16	38	
7	16	54	16	54	Saturn ſets 8 min. paſt 3 in the morning.
B	17	52	17	11	Mars riſes 43 min. after 3 in the morning.
9	18	50	17	27	Mercury's greateſt Matutine Elong. from
10	19	48	17	42	the Sun 25° 57′, riſes 33 m. before him.
11	20	46	17	58	
12	21	44	18	13	Day 15 hours 18 minutes long.
13	22	42	18	28	Arcturus ſouth 43 min. paſt 10 at night.
14	23	40	18	42	Day increaſed 7 hours 48 minutes.
B	24	37	18	57	
16	25	35	19	11	Saturn ſets 32 min. paſt 2 in the morning.
17	26	33	19	24	Mars riſes 47 min. paſt 2 in the morn.
18	27	30	19	37	Day 15 hours 34 minutes long.
19	28	28	19	50	Day increaſed 8 hours 2 minutes.
20	29	26	20	3	
21	♊	23	20	15	Sun enters ♊ 16 m. after 2 in the morning.
B	1	21	20	27	Scorpion's heart ſouth 17 m. paſt midnight.
23	2	19	20	39	
24	3	16	20	50	Saturn ſets 58 min. paſt 1 in the morn.
25	4	14	21	1	Mars riſes 59 min. after 2 in the morning.
26	5	11	21	11	Day 15 hours 54 minutes long.
27	6	9	21	21	
28	7	6	21	31	Day increaſed 8 hours 24 minutes.
B	8	4	21	41	Lyra ſouth 6 min. after 2 in the morn.
30	9	1	21	50	
31	9	59	21	58	

June, 1774.

Laſt Quarter the 1ſt day, at 8 in the morning.
New Moon the 9th day, at 6 in the morning.
Firſt Quarter the 17th day, at 7 in the morning.
Full Moon the 23d day, at midnight.
Laſt Quarter the 30th day, at 7 at night.

Days	Jupiter riſes.	Venus riſes.
1	2M 28	2M 16
7	2 6	2 4
13	1 44	1 54
19	1 22	1 42
25	1 0	1 31

M D	W D	Holy-Days. ☉ riſes & ſets	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	W	Ox. T. begins.	0M 42	12 ♓ 48	6 S 20	Nicomede.
2	T	Corpus Chriſti	1 6	25 49	2 18	Briſk winds, but
3	F	Term begins.	1 31	8 ♈ 31	1 N 45	moſtly fair.
4	S	K. Geo. III. b.	1 55	20 57	5 38	
5	B	1 S. after Trin.	2 19	3 ♉ 13	9 14	Pr. Ern. Aug. bo
6	M		2 43	15 19	12 24	
7	T	Sun riſes 3 53	3 16	27 21	15 1	
8	W	Sun ſets 8 8	3 48	9 ♊ 27	16 59	
9	T		☽ ſets	21 10	18 10	☽ in Apogeo.
10	F	Prs. Amelia b.	8 A 54	3 ♋ 2	18 27	Fair and hot
11	S	St. Barnabas.	9 35	14 54	18 14	□ ☉ ♄ △ ♄ ♂
12	B	2 S. aft. Trin.	10 12	26 48	17 3	☌ ♃ ♀ about
13	M		10 45	8 ♌ 46	15 1	this time.
14	T	Sun riſes 3 49	11 15	20 52	12 29	
15	W	Sun ſets 8 11	11 40	3 ♍ 10	9 16	
16	T	Clo. with ſun.	Morn.	15 40	5 35	
17	F	St. Alban.	0 6	28 31	1 36	
18	S		0 31	11 ♎ 46	2 S 39	Some gentle
19	B	3 S. aft. Trin.	0 57	25 28	6 54	ſhowers.
20	M	Tr. Ed. K. W. S.	1 25	9 ♏ 40	10 54	
21	T	Longeſt Day.	1 59	24 19	14 21	* ♃ ☿
22	W	Term ends.	2 39	9 ♐ 23	16 57	
23	T		3 28	24 42	18 24	
24	F	St. John Bapt.	☽ riſes	10 ♑ 5	18 31	☽ in Perigeo.
25	S	Cl. faſt 2 m.	9 A 23	25 18	17 17	Cold breezes
26	B	4 S. aft. Trin.	10 4	10 ♒ 12	14 55	with ſome flying
27	M		10 37	24 40	11 39	ſhowers.
28	T	Sun riſes 3 49	11 6	8 ♓ 38	7 50	
29	W	St. Peter.	11 31	22 8	3 42	* ♀ ☿
30	T	Sun ſets 8 10	11 57	5 ♈ 11	0 N 26	

Wing.	Days	Saturn ♍	Decl.	Jupiter ♉	Dec.	Mars ♉	Dec.	Venus ♈	Dec.
June,	1	19 27	6N17	4 1	11N51	13 4	15N17	25 8	7N37
	7	19 35	6 13	5 16	12 15	17 26	16 39	1♉ 0	9 28
1774.	13	47	6 8	6 30	12 39	21 47	17 53	7 3	11 22
	19	20 3	6 1	7 41	13 2	26 5	19 1	13 18	13 17
	25	20 21	5 51	8 49	13 24	0♊21	20 1	19 42	15 6

M D	Sun's Place.	Sun's Declin.	Obſervations.
1	10♊56	22N 7	Venus's greateſt Matutine Elong. from the
2	11 54	22 14	Sun 45° 48′ riſes 1h. 37m. before him.
3	12 51	22 23	
4	13 48	22 29	Saturn ſets 14 min. paſt 1 in the morning.
B	14 46	22 36	Mars riſes 32 min. after 2 in the morn.
6	15 43	22 42	Scorpion's heart ſouth 16m. paſt 11 at night.
7	16 40	22 48	
8	17 38	22 53	Day 16 hours 16 minutes long.
9	18 35	22 58	Day increaſed 8 hours 44 minutes.
10	19 32	23 3	Saturn ſets 12 min. before 1 in the morn.
11	20 30	23 7	
B	21 27	23 11	Lyra ſouth 9 min. paſt 1 in the morn.
13	22 24	23 15	Mars riſes 54 min. after 1 in the morn.
14	23 22	23 18	
15	24 19	23 21	Day 16 hours 22 minutes long.
16	25 16	23 23	Day increaſed 8 hours 50 minutes.
17	26 13	23 25	Scorpion's heart ſouth 30m. paſt 10 at night.
18	27 11	23 26	
B	28 8	23 27	Saturn ſets 48 min. before 1 in the morn.
20	29 5	23 28	Mars riſes 55 min. after 1 in the morn.
21	♋ 2	23 28	Sun enters ♋ 1 min. paſt 11 in the morn.
22	1 0	23 28	
23	1 57	23 27	Day 16 hours 24 minutes long.
24	2 54	23 26	Day decreaſed 2 minutes.
25	3 51	23 25	Saturn ſets 43 min. paſt 11 at night.
B	4 48	23 23	
27	5 46	23 20	Mars riſes 39 min. paſt 1 in the morn.
28	6 43	23 18	Lyra ſouth 58 min. paſt 11 at night.
29	7 40	23 15	Day 16 hours 22 minutes long.
30	8 37	23 11	Day decreaſed 6 minutes.

July, 1774.

New Moon the 8th day, at 9 at night.
Firſt Quarter the 16th day, at 5 in the after.
Full Moon the 23d day, at 7 in the morn.
Laſt Quarter the 30th day, at 8 in the morn.

Days	Jupiter riſes.	Venus riſes.
1	0 M 36	1 M 23
7	0 13	1 17
13	11 A 47	1 11
19	11 23	1 8
25	11 1	1 10

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	F		Morn.	17♈53	4N 30	Hot ſultry wea-
2	S	V. B. V. Mary.	0 21	0♉17	8 12	✱ ☉ ♃ ther.
3	B	5 S. aft. Trin.	0 47	12 27	11 30	
4	M		1 14	24 29	14 18	
5	T	Camb. Com.	1 46	6♊24	16 28	O. Midſum. day.
6	W	Cl. faſt 4 m.	2 18	18 17	17 55	☽ in Apogeo.
7	T	Tho. à Becket.	3 0	0♋ 9	18 34	
8	F	Cam. T. ends.	☽ ſets	12 1	18 25	✱ ♂ ☿
9	S		8 A 11	23 56	17 29	□ ♃ ☿
10	B	6 S. aft. Trin.	8 44	5♌56	15 45	
11	M	Oxford Act.	9 14	18 2	13 17	Warm gleams
12	T	Sun riſes 3 58	9 41	0♍16	10 14	with ſome
13	W	Sun ſets 8 1	10 5	12 40	6 43	thunder.
14	T		10 30	25 17	2 49	✱ ☉ ♄
15	F	St. Swithin.	10 54	8♎11	1S 17	
16	S	Oxf. T. ends.	11 21	21 25	5 27	
17	B	7 S. aft. Trin.	11 51	5♏ 2	9 26	Good weather
18	M		Morn.	19 2	13 4	for the ſeaſon.
19	T	Cl. faſt 6 min.	0 29	3♐28	15 54	
20	W	Margaret.	1 11	18 15	17 49	☽ in Perigeo.
21	T	Sun riſes 4 8	2 4	3♑19	18 35	☌ ♂ ♀
22	F	Q. Denm. bo.	3 8	18 29	18 0	St. Mary Mag.
23	S	Sun ſets 7 50	☽ riſes.	3♒36	16 9	
24	B	8 S. aft. Trin.	8 A 31	18 29	13 13	Some haſty
25	M	St. James.	9 3	3♓ 0	9 33	ſhowers.
26	T	St. Anne.	9 31	17 4	5 25	
27	W		9 58	0♈41	1 10	□ ♄ ♂
28	T	Day break 1 4	10 23	13 50	3N 1	
29	F	Twilight 3 5	10 48	26 35	6 55	
30	S	Dog-days beg.	11 14	9♉ 2	10 29	
31	B	9 S. aft. Trin.	11 43	21 15	13 23	

Wing.	Days	Saturn ♍		Saturn Decl.		Jupiter ♉		Jupiter Dec.		Mars ♊		Mars Dec.		Venus ♉		Venus Dec.	
	1	20	43	5N	41	9	52	13N	44	4	35	20N	56	26	11	16N	47
July,	7	21	8	5	30	10	53	14	2	8	47	21	42	2♊	48	18	20
	13	21	36	5	19	11	49	14	18	12	56	22	22	9	28	19	39
1774.	19	22	6	5	6	12	41	14	33	17	3	22	55	16	16	20	4
	25	22	39	4	52	13	28	14	45	21	7	23	19	23	6	21	29

M D	Sun's Place.		Sun's Declin.		Obſervations.
1	9♋	34	23N	7	Saturn ſets 19 min. paſt 11 at night.
2	10	32	23	3	Mars riſes 28 min. paſt 1 in the morn.
B	11	29	22	58	
4	12	26	22	53	Day 16 hours 16 min. long.
5	13	23	22	48	Day decreaſed 10 minutes.
6	14	20	22	42	Atair ſouth 35 min. paſt midnight.
7	15	18	22	35	
8	16	15	22	29	Saturn ſets 51 min. after 10 at night.
9	17	12	22	22	Mars riſes 15 min. paſt 1 in the morn.
B	18	9	22	14	Lyra ſouth 9 min. after 11 at night.
11	19	7	22	6	Day 16 hours 6 minutes long,
12	20	4	21	58	
13	21	1	21	49	Saturn ſets 32 min. paſt 10 at night.
14	21	58	21	40	Day decreaſed 26 minutes.
15	22	56	21	31	
16	23	53	21	21	Mars riſes 3 min. paſt 1 in the morn.
B	24	50	21	11	Atair ſouth 50 min. after 11 at night.
18	25	47	21	1	Mercury ſets 3 min paſt 9 at night,
19	26	45	20	50	
20	27	42	20	39	Mercury's greateſt Veſpertine Elong. from
21	28	39	20	27	the ſun 27° 4', ſets 1h. 3m after him 21ſt day.
22	29	37	20	15	Sun enters ♌ 51 min. paſt 9 at night.
23	♌	34	20	3	
B	1	31	19	51	Atair ſouth 22 min. paſt 11 at night.
25	2	28	19	38	Saturn ſets 45 min. paſt 9 at night.
26	3	26	19	25	Mars riſes 13 min. before 1 in the morn.
27	4	23	19	1	
28	5	21	18	57	Day 15 hours 24 minutes long.
29	6	18	18	43	Fomalhaut ſouth 12 m. paſt 2 in the morn.
30	7	15	18	29	Day decreaſed 1 hour 8 minutes.
B	8	13	18	4	

Auguſt, 1774.

New Moon the 7th day, at noon.
Firſt Quarter the 14th day, at midnight.
Full Moon the 21ſt day, at 3 in the aftern.
Laſt Quarter the 28th day, at midnight.

Days	Jupiter riſes.	Venus riſes.
1	10 A 38	1 M 13
7	10 15	1 17
13	9 53	1 26
19	9 31	1 38
25	9 11	1 55

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	M	Lammas-day.	Morn.	3 ♊ 14	15 N 48	
2	T	Sun riſes 4 25	0 19	15 8	17 28	
3	W	Sun ſets 7 33	0 58	27 0	18 22	☽ in Apogeo.
4	T		1 42	8 ♋ 52	18 29	
5	F	Day br. 1 40	2 32	20 48	17 46	
6	S	Transfigurat.	3 28	2 ♌ 49	16 17	Wind and ſome
7	B	10 S. aft. Trin.	☽ ſets	14 58	14 2	ſhowers.
8	M	Clock faſt 5 m	7 A 46	27 15	11 0	
9	T		8 11	9 ♍ 44	7 40	
10	W	St. Laurence	8 37	22 16	3 51	
11	T	Prs. Brunſw, b.	9 2	5 ♎ 15	0 S 14	
12	F	Pr. of Wales b.	9 28	18 21	4 23	Old Lammas-d.
13	S		9 57	1 ♏ 43	8 22	✶ ♃ ♀
14	B	11 S. aft. Trin.	10 30	15 21	12 0	
15	M	Aſſump. B V M	11 10	29 17	15 1	Moderate
16	T	Pr. Frederick b	11 55	13 ♐ 29	17 12	weather.
17	W	Sun riſes 4 50	Morn.	27 58	18 21	☽ in Perigeo.
18	T	Sun ſets 7 8	0 52	12 ♑ 37	18 8	☌ ☉ ☿
19	F		1 57	27 22	17 1	
20	S	Day br. 2 32	3 9	12 ♒ 7	14 36	
21	B	12 S. aft. Trin.	☽ riſes.	26 44	11 15	Pr. W. Hen. born.
22	M	Twilight 2 21	7 A 33	11 ♓ 4	7 10	✶ ♄ ♀ Flying
23	T		8 2	25 4	3 0	clouds but moſtly
24	W	St. Bartholo.	8 27	8 ♈ 40	1 N 19	fair.
25	T	Sun riſes 5 5	8 53	21 52	5 26	
26	F	Sun ſets 6 53	9 21	4 ♉ 41	9 20	
27	S		9 50	17 11	12 25	
28	B	13 S. aft. Trin.	10 24	29 25	15 1	St. Auguſtine.
29	M	Dec. S. J. Bapt.	11 2	11 ♊ 27	16 56	
30	T	Day br. 3 2	11 41	23 23	18 5	☽ in Apogeo.
31	W		Morn.	5 ♋ 15	18 27	

Wing	Days	Saturn ♍	Decl.	Jupiter ♉	Dec.	Mars ♊	Dec.	Venus ♋	Decl.
	1	23 19	4N 36	14 15	14N58	25 49	23N38	1 11	22 N 1
Aug.	7	23 57	4 21	14 50	15 7	29 48	23 46	8 9	22 6
	13	24 36	4 5	15 19	15 15	3♋15	23 48	15 12	21 49
1774.	19	25 16	3 49	15 41	15 21	7 39	23 43	22 18	21 10
	25	25 58	3 32	15 57	15 24	11 30	23 31	29 26	20 10

M D	Sun's Place.		Sun's Declin.		Obſervations.
1	9♌	10	17N	59	Saturn ſets 19 min. after 9 at night.
2	10	8	17	44	Mars riſes 22 min. before 1 in the morn.
3	11	5	17	28	
4	12	3	17	12	Lyra ſouth 30 min. paſt 9 at night.
5	13	0	16	56	Day 15 hours long.
6	13	58	16	39	Day decreaſed 1 hour 3 min.
B	14	55	16	23	
8	15	53	16	6	Saturn ſets 53 min. paſt 8 at night.
9	16	51	15	48	Mars riſes 31 min. before 1 in the morn.
10	17	48	15	31	Atair ſouth 16 min. paſt 10 at night.
11	18	46	15	13	Markab ſouth 30 min. after 1 in the morn.
12	19	43	14	55	
13	20	41	14	37	Saturn ſets 34 min. paſt 8 at night.
B	21	39	14	19	Mars riſes 36 min. before 1 in the morn.
15	22	36	14	0	Day 14 hours 26 min. long.
16	23	34	13	41	Day decreaſed 2 hours 4 min.
17	24	32	13	22	
18	25	30	13	2	Atair ſouth 47 min. paſt 9 at night.
19	26	28	12	43	Saturn ſets 12 min. after 8 at night.
20	27	25	12	23	Mars riſes 41 min. before 1 in the morn.
B	28	23	12	3	Fomalhaut ſouth 41 min. paſt midnight.
22	29	21	11	43	
23	♍	19	11	23	Sun enters ♍ 7 min. paſt 4 in the morn.
24	1	17	11	2	Day 13 hours 54 min. long.
25	2	15	10	40	Day decreaſed 2 hours 36 min.
26	3	13	10	20	Atair ſouth 17 min. after 9 at night.
27	4	11	9	59	
B	5	9	9	37	Saturn ſets 42 min. paſt 7 at night.
29	6	7	9	16	Mars riſes 45 min. before 1 in the morn.
30	7	5	8	55	
31	8	3	8	33	

September, 1774.

New Moon the 6th day, at 2 in the morn.
Firſt Quarter the 13th day, at 6 in the morn.
Full Moon the 20th day, at 1 in the morn.
Laſt Quarter the 27th day, at 7 at night.

Days	Jupiter riſes.	Venus riſes.
1	8 A 46	2 M 14
7	8 23	2 31
13	8 1	2 52
19	7 40	3 12
25	7 19	3 35

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	T	Giles.	0 M 30	17 ♋ 9	18 N 2	✱ ♃ ♂ Rain and
2	F	London burnt,	1 24	29 7	16 47	wind.
3	S	1666, O.S.	2 25	11 ♌ 14	14 45	
4	B	14 S. aft. Trin.	3 27	23 33	12 2	
5	M		4 32	6 ♍ 4	8 43	
6	T	Sun riſes 5 28	☽ ſets	18 49	4 56	Fair and pleaſant
7	W	Dog-days end.	7 A 15	1 ♎ 50	0 52	about this time.
8	T	Nat. B. V. M.	7 41	15 5	3 S 20	△ ☉ ♃ □ ♃ ♀
9	F	Sun ſets 6 26	8 9	28 33	7 26	
10	S		8 40	12 ♏ 14	11 11	
11	B	15 S. aft. Trin	9 16	26 5	14 22	
12	M	Day br. 3 35	10 1	10 ♐ 6	16 45	
13	T	Cl. ſlow 4 m.	10 52	24 13	18 8	☽ in Perigeo.
14	W	Holy-Croſs-Day.	11 53	8 ♑ 27	18 27	Ember Week.
15	T	Twilight 2 4	Morn.	22 45	17 33	
16	F		1 2	7 ♒ 3	15 32	
17	S	Lambert.	2 15	21 17	12 34	
18	B	16 S. aft. Trin.	3 29	5 ♓ 28	8 53	Windy though
19	M	Sun riſes 5 53	4 44	19 27	4 44	not much wet.
20	T	Sun ſets 6 5	☽ riſes	3 ♈ 10	0 26	✱ ☉ ♂
21	W	St. Matthew.	7 A 3	16 36	3 N 50	
22	T	K. Geo. III. cr.	7 29	29 43	7 46	☌ ☉ ♄
23	F		7 58	12 ♉ 31	11 16	✱ ♄ ♂
24	S	Day br. 4 3	8 30	25 1	14 12	
25	B	17 S. aft. Trin.	9 8	7 ♊ 16	16 23	
26	M	St. Cyprian.	9 46	19 19	17 49	☌ ♄ ☿
27	T	Sun riſes 6 9	10 32	1 ♋ 15	18 28	☽ in Ap. ✱ ♂ ☿
28	W	Sun ſets 5 49	11 22	13 7	18 19	Some ſhowers
29	T	St. Michael.	Morn.	25 1	17 19	Prs. Char. Aug. b.
30	F	St. Jerom.	0 18	7 ♌ 1	15 34	☌ ☉ ☿ at the end

Wing.	Days	Saturn ♍	Decl.	Jupiter ♉	Dec.	Mars ♋	Dec.	Venus ♌	Dec.
Sept.	1	26 48	3 N 11	16 6	15 N 26	15 56	23 N 10	7 49	18 N 33
	7	27 31	2 54	16 ℞ 6	15 24	19 41	22 4	15	16 45
	13	28 15	2 37	15 59	15 22	23 23	22 1	22 20	14 4
1774.	19	29 0	2 20	15 45	15 18	27 2	21 40	29 3	12 35
	25	29 46	2 2	15 24	15 11	0 ♌ 37	21 1	7 ♍ 0	10 3

M D	Sun's Place.	Sun's Declin.	Obſervations.
1	9 ♍ 1	8 N 12	Day 13 hours 24 min. long.
2	10 0	7 50	Day decreaſed 3 hours 6 minutes.
3	10 58	7 28	
B	11 56	7 6	Mercury's greateſt Matutine Elong. from the Sun 17° 54′, riſes 1 h. 39 m. before him.
5	12 54	6 44	
6	13 53	6 21	
7	14 51	5 58	Saturn ſets 7 min. paſt 7 at night.
8	15 49	5 36	Mars riſes 49 min. before 1 in the morn.
9	16 4[illegible]	5 13	Markab ſouth 40 min. paſt 11 at night.
10	17 46	4 51	
B	18 44	4 28	Day 12 hours 44 minutes long.
12	19 43	4 5	Fomalhaut ſouth 22 min. after 11 at night.
13	20 41	3 42	Day decreaſed 3 hours 48 min.
14	21 40	3 19	
15	22 39	2 56	Markab ſouth 19 min. paſt 11 at night.
16	23 37	2 32	Saturn ſets 36 min. paſt 6 at night.
17	24 36	2 9	Mars riſes 53 min. before 1 in the morn.
B	25 34	1 46	
19	26 33	1 23	Fomalhaut ſouth 56 min. paſt 10 at night.
20	27 32	0 59	Day 12 hours 10 minutes long.
21	28 31	0 36	
22	29 29	0 12	Sun enters ♎ 28 m. paſt midnight.
23	♎ 28	0 S 11	
24	1 27	0 35	Pole Star ſouth 36 min. paſt midnight.
B	2 26	0 58	Mars riſes 55 min. before 1 in the morn.
26	3 25	1 21	
27	4 24	1 45	Day 11 hours 42 min. long.
28	5 23	2 8	Day decreaſed 4 hours 48 minutes.
29	6 22	2 32	
30	7 21	2 55	

October, 1774.

New Moon the 5th day, at 3 in the aftern.
Firſt Quarter the 12 day, at noon.
Full Moon the 19th day, at 2 in the aftern.
Laſt Quarter the 27th day, at 3 in the aftern.

Days	Jupiter riſes.	Venus riſes.
1	6 A 57	3 M 52
7	6 32	4 12
13	6 9	4 32
19	5 44	4 53
25	5 20	5 13

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place	Moon's Declin.	Aſpects and Weather.
1	S	Remigius.	1 M 20	19 ♌ 11	13 N 5	
2	B	18 S. aſt. Trin.	2 26	1 ♍ 36	9 58	△ ♃ ♀
3	M	Day br. 4 23	3 33	14 18	6 20	
4	T	Cl. ſlow 11 m.	4 42	27 20	2 17	
5	W		☽ ſets	10 ♎ 42	1 S 57	
6	T	Faith.	6 A 18	24 22	6 13	Flying clouds
7	F	Sun riſes 6 29	6 49	8 ♏ 18	10 13	with rain, or
8	S	Sun ſets 5 29	7 25	22 25	13 40	hail.
9	B	19 S. aſt. Trin.	8 8	6 ♐ 10	16 21	
10	M	Ox. & Ca. T. b.	8 56	20 58	18 2	Old Michael. day
11	T		9 56	5 ♑ 14	18 34	☽ in Perigeo.
12	W	Twilight 1 57	11 1	19 23	17 58	
13	T	Tr. K. Ed. Co.	Morn.	3 ♒ 29	16 14	High winds and
14	F	Sun riſes 6 42	0 9	17 26	13 32	ſtormy weather.
15	S	Sun ſets 5 16	1 22	1 ♓ 18	10 6	☌ ♄ ♀
16	B	20 S. aſt. Trin.	2 36	14 59	6 8	
17	M	Etheldred.	3 51	28 31	1 55	□ ♃ ♂
18	T	St. Luke.	5 3	11 ♈ 51	2 N 11	
19	W		☽ riſes	24 58	6 25	
20	T	Day br. 4 57	6 A 4	7 ♉ 52	10 8	
21	F	Sun riſes 6 56	6 34	20 30	13 18	More mild and
22	S	Sun ſets 5 2	7 7	2 ♊ 55	15 47	temperate.
23	B	21 S. aſt. Trin.	7 46	15 8	17 33	
24	M		8 30	27 11	18 29	
25	T	K. G. III. ina.	9 19	9 ♋ 4	18 36	Criſp. ☽ in Apog
26	W	K. G. III proc.	10 14	20 56	17 55	□ ♂ ☿ 25th day
27	T	Cl. ſlow 16 m.	11 12	2 ♌ 48	16 26	
28	F	St. Sim. & Jude.	Morn.	14 47	14 14	
29	S		0 13	26 56	11 21	Cold froſty air.
30	B	22 S. aſt. Trin.	1 18	9 ♍ 22	7 54	
31	M	Twilight 1 59	2 25	22 7	4 1	✱ ♂ ♀

Wing.	Days	Saturn ♎	Decl.	Jupiter ♉ ℞	Dec.	Mars ♌	Dec.	Venus. ♍	Dec
Oct. 1774.	1	0 30	1 N 44	14 57	15 N 1	4 8	20 N 20	14 23	7 N 21
	7	1 14	1 27	14 25	14 49	7 35	19 34	21 48	4 35
	13	1 57	1 10	13 44	14 37	10 58	18 35	29 14	1 42
	19	2 40	0 54	13 0	14 24	14 16	17 54	6 ♎ 42	1 S 14
	25	3 21	0 38	12 14	14 10	17 29	17 3	14 10	4 12

M D	Sun's Place.	Sun's Declin.	Obſervations.
1	8 ♎ 20	3 S 18	Saturn riſes 24 min. after 5 in the morn.
B	9 19	3 42	Fomalhaut ſouth 9 min. paſt 10 at night.
3	10 18	4 5	
4	11 18	4 28	Pole Star ſouth 1 min. after midnight.
5	12 17	4 51	Day 11 hours 10 min. long.
6	13 16	5 15	Day decreaſed 5 hours 20 minutes.
7	14 16	5 38	
8	15 15	6 1	Saturn riſes at 2 min. paſt 5 in the morn.
B	16 14	6 24	Mars riſes 58 min. after 11 at night.
10	17 14	6 46	Markab ſouth 49 min. paſt 9 at night.
11	18 13	7 9	
12	19 13	7 32	Day 10 hours 44 min. long.
13	20 12	7 54	Saturn riſes 47 min. paſt 4 in the morning.
14	21 12	8 17	Mars riſes 54 min. after 11 at night.
15	22 11	8 39	Fomalhaut ſouth 21 min. paſt 9 at night.
B	23 11	9 1	
17	24 11	9 23	Day decreaſed 6 hours 2 min.
18	25 10	9 45	Saturn riſes 31 min. paſt 4 in the morn.
19	26 10	10 7	Mars riſes 50 min. paſt 11 at night.
20	27 10	10 28	Day 10 hours 12 minutes long.
21	28 9	10 50	
22	29 9	11 11	Pole Star ſouth 54 min. paſt 10 at night.
B	♏ 9	11 32	Sun enters ♏ 20 m. paſt 8 in the morning.
24	1 9	11 53	
25	2 9	12 14	Saturn riſes 10 min. paſt 4 in the morn.
26	3 9	12 34	Mars riſes 44 min. after 11 at night.
27	4 9	12 55	Day 9 hours 44 minutes long.
28	5 9	13 15	Day decreaſed 6 hours 44 minutes.
29	6 9	13 35	
B	7 9	13 55	Fomalhaut ſouth 24 min. paſt 8 at night.
31	8 9	14 14	

November, 1774.

New Moon the 4th day, at 3 in the morn. Firſt Quarter the 10th day, at 7 at night. Full Moon the 18th day, at 6 in the morn Laſt Quarter the 26th day, at 11 in morn.	Days	Jupiter riſes.	Venus riſes.
	1	4 A 52	5 M 34
	7	ſets	5 53
	13	6 M 31	6 12
	19	6 4	6 30
	25	5 34	6 49

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon's Place.	Moon's Declin.	Aſpects and Weather.
1	T	All Saints.	3 M 36	5 ♎ 18	0 S 12	
2	W	Pr. Edward b.	4 48	18 53	4 31	All Souls.
3	T	Sun riſes 7 20	6 2	2 ♏ 53	8 44	☍ ☉ ♃
4	F		☽ ſets	17 14	12 32	Dark and cloudy
5	S	Papiſts Conſp.	6 A 4	1 ♐ 50	15 40	weather.
6	B	23 S. aft. Trin.	6 51	16 34	17 47	* ♄ ☿
7	M	D. of Cumb. b.	7 48	1 ♑ 16	18 42	Term begins.
8	T	Prs. So. Aug. b.	8 53	15 50	18 26	☽ in Per. 7th day
9	W	L.M. day at Lon.	10 2	0 ♒ 12	16 54	
10	T		11 14	14 18	14 26	
11	F	Martinmas.	Morn.	28 9	11 8	Sharp froſty air
12	S	Sun ſets 4 24	0 28	1 ♓ 44	7 18	
13	B	24 S. aft. Trin.	1 39	25 5	3 10	Britius.
14	M		2 51	8 ♈ 16	1 N 5	☍ ♃ ♀
15	T	Machutus.	4 3	21 14	5 12	
16	W	Day br. 5 37	5 10	4 ♉ 1	9 2	
17	T	Hugh, Bp. Linc.	6 16	16 36	12 23	
18	F		☽ riſes	29 2	15 9	Wind and ſome
19	S	Sun riſes 7 46	5 A 41	11 ♊ 17	17 11	ſhowers.
20	B	25 S. aft. Trin.	6 22	23 22	18 25	Edm. K. & Mar.
21	M	Sun ſets 4 11	7 9	5 ♋ 20	18 51	☽ in Apogeo.
22	T	O. Mart. day.	8 0	17 12	18 26	
23	W	St. Clement.	8 57	29 2	17 13	
24	T		9 56	10 ♌ 53	15 15	
25	F	D. Glouc. bo.	10 59	22 49	12 36	
26	S	Cl. ſlow 12 m.	Morn.	4 ♍ 56	9 25	
27	B	Advent Sund.	0 4	17 18	5 43	More temperate.
28	M	Term ends.	1 9	0 ♎ 2	1 41	* ☉ ♄
29	T	Twilight 2 7	2 17	13 10	2 S 34	
30	W	St. Andrew.	3 32	26 48	6 51	

Wing.	Days	Saturn ♎	Decl.	Jupiter ♉ ℞	Decl.	Mars ♌	Decl.	Venus ♎	Decl.
	1	4 8	0 N 20	11 18	13 N 54	21 8	16 N 2	22 55	7 S 36
Nov.	7	4 47	0 5	10 29	13 40	24 8	15 8	0 ♏ 26	10 25
	13	5 23	0 S 8	9 41	13 26	27 0	14 17	7 58	13 2
1774.	19	5 58	0 20	8 56	13 12	29 45	13 29	15 30	15 29
	25	6 30	0 33	8 13	13 0	2 ♍ 21	12 43	23 2	17 45

M D	Sun's Place.		Sun's Declin.		Obſervations.
1	9 ♏	9	14 S	34	Saturn riſes 47 min. after 3 in the morn.
2	10	10	14	53	Mars riſes 38 min. paſt 11 at night.
3	11	10	15	12	Pole Star ſouth 8 min. paſt 10 at night.
4	12	10	15	30	
5	13	10	15	48	Day 9 hours 14 min. long.
B	14	11	16	7	Day decreaſed 7 hours 16 min.
7	15	11	16	24	Saturn riſes 27 min. paſt 3 in the morn.
8	16	11	16	42	Mars riſes 31 min. after 11 at night.
9	17	12	16	59	
10	18	12	17	10	Fomalhaut ſouth 41 min. paſt 7 at night.
11	19	13	17	33	Day 8 hours 52 minutes long.
12	20	13	17	49	Pole Star ſouth 33 min. paſt 9 at night.
B	21	13	18	5	Day decreaſed 7 hours 40 minutes.
14	22	14	18	21	Saturn riſes 2 min. after 3 in the morn.
15	23	15	18	36	
16	24	15	18	51	Mercury's greateſt Veſpertine Elong. from
17	25	16	19	6	the Sun 22° 10′, ſets 41 min. after him.
18	26	16	19	20	
19	27	17	19	34	Mars riſes 15 min. paſt 11 at night.
B	28	18	19	48	Day 8 hours 24 min. long.
21	29	18	20	1	
22	♐	19	20	14	Sun enters ♐ 27 min. paſt 4 in the morn.
23	1	20	20	2	Day decreaſed 8 hours 10 minutes.
24	2	21	20	39	
25	3	21	20	51	Saturn riſes 23 min paſt 2 in the morn.
26	4	22	21	2	Mars riſes 2 min. after 11 at night.
B	5	23	21	13	Mrkab ſouth 41 min. paſt 8 at night.
28	6	24	21	24	Day 8 hours 2 min. long.
29	7	25	21	34	Day decreaſed 8 hours 26 minutes.
30	8	26	21	44	

December, 1774.

New Moon the 3d day, at 2 in the aftern.
Firſt Quarter the 10th day, at 5 in the morn.
Full Moon the 17th day, at midnight.
Laſt Quarter the 26th day, at 4 in the morn.

Days	Jupiter ſets.	Venus riſes.
1	5 M 4	7 M 6
7	4 35	7 20
13	4 7	7 36
19	3 39	7 48
25	3 12	7 56

M D	W D	Holy-Days. ☉ riſes & ſets.	Moon riſes.	Moon' Place.	Moon's Declin.	Aſpects and Weather.
1	T	Sun riſes 8 2	4 M 47	10 ♏ 54	10 S 50	
2	F	Sun ſets 3 57	6 2	25 28	14 24	
3	S	Day br. 5 55	☽ ſets	10 ♐ 22	17 14	Mild weather for
4	B	2 S. in Advent.	5 A 25	25 29	18 36	the ſeaſon.
5	M		6 28	10 ♑ 36	18 51	☽ in Per. ☌ ☉ ☿
6	T	Nicolas.	7 37	25 33	17 44	✱ ♄ ♀ □ ♂ ♀
7	W	Twilight 2 10	8 52	10 ♒ 14	15 29	△ ♃ ♂ (5th day
8	T	Conc. B. V. M.	10 6	24 34	12 19	☌ ♀ ☿
9	F		11 22	8 ♓ 29	8 31	□ ♂ ☿
10	S	Sun riſes 8 10	Morn.	22 4	4 21	✱ ♄ ☿
11	B	3 S. in Advent.	0 33	5 ♈ 18	0 5	
12	M	Sun ſets 3 49	1 43	18 15	4 N 4	Cold rain or ſleet.
13	T	Lucy.	2 51	0 ♉ 59	8 0	
14	W	Ember Week.	3 57	13 31	11 30	
15	T		5 1	25 50	14 25	
16	F	Camb. T. ends	6 3	8 ♊ 3	16 42	
17	S	Oxf. T. ends	7 1	20 8	18 12	
18	B	4 S. in Advent.	☽ riſes	2 ♋ 5	18 55	
19	M	Cl. ſlow 2 m.	5 A 40	13 58	18 46	☽ in Apogeo.
20	T		6 36	25 47	17 48	Froſty weather.
21	W	St. Thomas.	7 35	7 ♌ 39	16 4	Shorteſt day.
22	T	Sun riſes 8 13	8 35	19 29	13 39	
23	F	Sun ſets 3 47	9 38	1 ♍ 25	10 38	
24	S		10 43	13 32	7 8	
25	B	Chriſtmas-day	11 49	25 52	3 16	
26	M	St. Stephen.	Morn.	8 ♎ 32	0 S 50	
27	T	St. John Eva.	0 57	21 35	5 2	△ ☉ ♃ Snow to-
28	W	Holy Innocent	2 8	5 ♏ 5	9 4	wards the end.
29	T		3 22	19 5	12 49	
30	F	Day br. 5 59	4 36	3 ♐ 35	15 54	
31	S	Silveſter.	5 51	18 29	18 1	

Wing	Days	Saturn ♎	Decl.	Jupiter ♉ ℞	Dec.	Mars ♍	Dec.	Venus ♐	Dec.
Dec. 1774.	1	6 59	0 S 43	7 36	12 N 49	4 46	11 N 57	0 35	19 S 41
	7	7 26	0 50	7 4	12 40	7 0	11 12	8 [illegible]	21 17
	13	7 49	0 58	6 39	12 34	9 1	10 37	15 43	22 32
	19	8 9	1 9	6 20	12 29	10 47	10 16	23 1[illegible]	23 22
	25	8 26	1 22	6 9	12 27	12 16	10 18	0 ♑ 48	23 46

M D	Sun's Place.	Sun's Declin.	Obſervations.
1	9 ♐ 27	21 S 53	Saturn riſes at 2 in the morning.
2	10 28	22 2	Mars riſes 49 min. paſt 10 at night.
3	11 28	22 11	Seven Stars ſouth 53 min. paſt 10 at night.
B	12 29	22 19	Aldebaran ſouth 36 min. after 11 at night.
5	13 30	22 27	Day 7 hours 50 min. long.
6	14 31	22 34	
7	15 32	22 41	Saturn riſes 36 min. paſt 1 in the morn.
8	16 33	22 47	Mars riſes 34 min. paſt 10 at night.
9	17 34	22 53	Pole Star ſouth 37 min. paſt 7 at night.
10	18 36	22 59	
B	19 37	23 4	Day 7 hours 40 minutes long.
12	20 38	23 8	Day decreaſed 8 hours 48 minutes.
13	21 39	23 12	Saturn riſes 11 min. paſt 1 in the morn.
14	22 40	23 16	Mars riſes 19 min. after 10 at night.
15	23 41	23 19	Seven Stars ſouth 1 min. paſt 10 at night.
16	24 42	23 22	
17	25 43	23 24	Day 7 hours 36 min. long.
B	26 44	23 26	Day decreaſed 8 hours 50 minutes.
19	27 46	23 27	Aldebaran ſouth 3 min. after 10 at night.
20	28 47	23 28	
21	29 48	23 28	Sun enters ♑ 47 min. paſt 4 at night.
22	♑ 49	23 28	Pole Star ſouth 39 m. after 6 at night.
23	1 50	23 27	
24	2 51	23 26	Mercury's greateſt Matutine Elon. from the
B	3 53	23 25	Sun 22° 14′, riſes 1 h. 58 m. before him
26	4 54	23 23	
27	5 55	23 20	Mars riſes 40 min. paſt 9 at night.
28	6 56	23 17	Saturn riſes 53 min. before 1 in the morn.
29	7 57	23 14	Aldebaran ſouth 46 min. after 9 at night.
30	8 58	23 10	Day increaſed 6 minutes.
31	10 0	23 5	

The Longitude of Mercury and Declination for the Year 1774.

Days	January.	Febr.	March.	April.	May.	June.
1	21 ♐ 8	25 ♑ 29	13 ♓ 21	26 ♈ 29	17 ♈ 3	26 ♉ 39
4	22 8	0 ♒ 5	19 9	26 ℞ 1	18 48	2 ♊ 36
7	24 5	4 46	25 2	24 42	21 5	8 51
10	26 43	9 36	0 ♈ 52	22 45	23 53	15 20
13	29 52	14 33	6 30	20 34	27 9	21 55
16	3 ♑ 22	19 39	11 47	18 31	0 ♉ 49	28 29
19	7 8	24 52	16 31	16 52	4 53	4 ♋ 56
22	11 6	0 ♓ 16	20 28	15 49	9 19	11 11
25	15 15	5 47	23 30	15 31	14 6	17 8
28	19 33	11 26	25 31	15 D 56	19 14	22 48
Days	July.	August.	Sept.	Octob.	Nov.	Dec.
1	28 ♋ 9	2 ♍ 52	21 ♌ 39	9 ♎ 5	27 ♏ 40	18 ♐ ℞ 18
4	3 ♌ 14	3 21	23 59	14 14	1 ♐ 50	14 34
7	7 59	3 ℞ 3	27 22	19 18	5 50	10 26
10	12 25	1 55	1 ♍ 39	24 15	9 40	7 12
13	16 31	0 2	6 35	29 6	13 13	5 28
16	20 16	27 37	11 50	3 ♏ 50	16 25	5 D 21
19	23 40	25 1	17 22	8 30	19 2	6 33
22	26 39	22 41	22 55	13 5	20 50	8 45
25	29 9	21 2	28 24	17 33	21 31	11 39
28	1 ♍ 9	20 27	3 ♎ 47	21 56	20 ℞ 43	15 2

The Declination of Mercury to every Sixth Day.

Days	January.	Febr.	March.	April.	May.	June.
1	20 S 18	22 S 21	8 S 1	13 N 17	4 N 21	18 N 18
7	20 54	20 47	2 43	12 16	5 22	21 43
13	22 18	18 26	2 N 50	9 35	7 30	24 7
19	23 0	15 14	7 56	6 39	10 26	25 1
25	23 7	11 8	11 36	4 45	13 56	24 17
Days	July.	August.	Sept.	Octob.	Nov.	Dec.
1	22 N 12	7 N 32	13 N 41	2 S 50	21 S 42	22 S 50
7	19 33	6 28	13 10	7 4	23 44	19 58
13	15 59	7 3	10 37	11 17	25 2	18 25
19	13 9	9 11	6 41	15 7	25 23	18 52
25	10 10	11 52	2 8	18 29	24 42	20 19

WING.

A

PROGNOSTICATION,

For the Year of our

LORD GOD, 1774.

An Explanation of the Characters made uſe of in this Almanack.

	The Seven Planets, and Five Aſpects.		The Twelve Signs.
	♄ Saturn		♈ Aries
	♃ Jupiter		♉ Taurus
	♂ Mars		♊ Gemini
	☉ The Sun		♋ Cancer
	♀ Venus		♌ Leo
	☿ Mercury		♍ Virgo
	☽ The Moon		♎ Libra
Aſpects.	☌ Conjunction		♏ Scorpio
	⚹ Sextile		♐ Sagittary
	□ Square		♑ Capricorn
	△ Trine		♒ Aquarius
	☍ Oppoſition		♓ Piſces

Lands ſurveyed, divided and incloſed, and Maps of the ſame correctly delineated. Alſo Timber and Pole Wood ſurveyed, valued and ſold, by *Vincent Wing*, of *Pickworth*, in the County of *Rutland*.

A Compendious Chronology of memorable Things ſince the Creation to this preſent Year.

A.P.J	*before Chriſt.*		*Years ſince.*
710	4004	The Creation of the World	5778
1766	2948	*Noah* born	4722
2366	2348	*Noah*'s Flood began	4122
2481	2233	The *Babylonian* Monarchy eſtabliſhed	4007
2718	1996	*Abraham* born	3770
2986	1728	*Joſeph* ſold into *Egypt*	3502
3143	1571	*Moſes* born	3345
3223	1491	The *Iſraelites* Departure out of *Egypt*	3265
3530	1184	*Troy* taken and deſtroyed by the *Greeks*	2958
3710	1004	*Solomon*'s Temple built and dedicated	2778
4126	588	*Jeruſalem* and the Temple deſtroyed	2362
4176	538	*Daniel* delivered from the Den of Lions	2312
4198	516	The Temple of *Jeruſalem* rebuilt	2290
4391	323	The Death of *Alexander the Great*	2097
4710	4	The true Year of *Chriſt's* Birth	1778
4714	0	The vulgar Year of *Chriſt*'s Birth	1774

A. D.		
33	The Paſſion and Reſurrection of *Jeſus Chriſt*	1741
70	*Jeruſalem* and the Temple deſtroyed by *Titus*	1704
100	St. *John*, the laſt of the Apoſtles, dies *Dec.* 20.	1674
313	Chriſtianity triumphs under *Conſtantine*	1461
476	*Auguſtulus*, the laſt *Roman* Emperor, depoſed	1298
606	The wicked *Phocas* makes Pope *Boniface* Head of the Church	1168
608	*Mahomet* broaches his Impoſture at *Mecca*	1166
872	*Italy* and *Rome* plundered by the *Saracens*	902
1012	*Swain* King of *Denmark* conquers *England*	762
1066	*William* Duke of *Normandy* conquers *England*	708
1110	Arts and Sciences taught in *Cambridge*	664
1119	The firſt War between the *French* and *Engliſh*	655
1300	The Mariners Compaſs invented	474
1330	The *Canaries* diſcovered by an *Engliſh* Ship	444
1380	Gunpowder and the Uſe of Guns firſt found out	394
1453	*Conſtantinople*, taken from the *Chriſtians*	321

A.D.		*Years ſince.*
1463	The *Perſians* conquered by *Tamerlane*	311
1500	*Rome* plundered by the Duke of *Bourbon*	274
1517	*Martin Luther* firſt diſputed againſt Popery	257
1536	*England* ſeparated from the Church of *Rome*	238
1588	The *Spaniſh Armado* defeated by the *Engliſh*	184
1603	Q. *Eliz*. dies *March* 24, and K. *James* I. began	171
1604	Died of the Plague in *London*, in 2 Years, 68,596	170
1605	Gunpowder Treaſon, *Nov*. 5	169
1613	The New River Water brought to *London*	161
1618	The excellent Sir *Walter Raleigh* beheaded	156
1625	K. *James* I. died, King *Charles* I. began, *Mar*. 27.	149
1625	35,417 Perſons died of the Plague in *London*	149
1641	The cruel *Iriſh* Maſſacre began, *October* 23.	133
1643	*Burleigh-Houſe* ſtormed by *Cromwel*, *July* 24.	131
1649	K. *Charles* I. barbarouſly murdered, *January* 30.	125
1660	K. *Charles* II. reſtored, *May* 29.	114
1665	68 586 Perſons died of the Plague in *London*	109
1666	*London* burnt, and a great Sea-Fight with the *Dutch*	108
1672	War declared againſt the *Dutch*, *March* 17.	102
1674	A great Snow for 11 Days together	100
675	The Town of *Northampton* burnt, *Sept*. 3.	99
680	A great and ſplendid Comet appeared	94
684	The great Froſt that held 13 Weeks	90
685	K. *Charles* II. died, *Feb*. 6. and K. *James* II. began	89
685	The Duke of *Monmouth* beheaded, *July* 15.	89
688	Seven Biſhops ſent to the *Tower*, *June* 8.	86
688	K. *James* II. abdicated, *December* 12.	86
689	K. *William* and Q. *Mary* crowned, *April* 11.	85
692	The *French* Fleet entirely defeated by the *Engliſh*	82
698	*Whitehall* Palace entirely deſtroyed by Fire, except the *Banquetting-Houſe*	76
702	K. *William* died, *March* 8, and Q. *Anne* began	72
702	Q. *Anne* proclaimed War againſt *France*, *May* 4.	72
703	A great and terrible Wind, *Nov*. 26 and 27.	71
704	*Gibraltar* taken by the *Engliſh*	70
707	*England* and *Scotland* united, *May* 1.	67
709	*Sacheverel* preached his ſeditious Sermon, *Nov*. 5.	65
710	Riots and great Diſturbances in *England*.	64

A.D.	
1714	Q. *Anne* died *Auguſt* 1. and K. *George* I. began
1715	A famous Total Eclipſe of the ☉ in *England*, *April* 22, in the Morning
1715	A Rebellion in *Scotland* and *Lancaſhire* ſuppreſſed
1716	A great Froſt in the Beginning of this Year
1718	The *Spaniſh* Fleet deſtroyed by Admiral *Byng*, near *Syracuſe*, *July* 31.
1719	A ſurprizing Meteor ſeen, *March* 19, at 8 at Night
1719	Mr. *Flamſteed*, a celebrated Aſtronomer died *Dec.* 31.
1727	The incomparable Sir *Iſaac Newton*, died *Mar.* 20.
1727	K. *George* I. died, *June* 11, and K. *George* II. began
1734	The Battle of the *Breeches*, in *Italy*, *Sept.* 4.
1736	The Prince and Princeſs of *Wales* married, *Ap.* 27.
1739	Letters of Marque publiſhed in *London* againſt the *Spaniards*, *July* 16.
1739	War declared by *Great Britain* againſt *Spain*, *October* 23.
1739	*Porto-Bello* taken and deſtroyed by Admiral *Vernon*, *November* 21.
1740	A very ſevere Froſt from *Dec.* 25, to *Feb.* 27.
1742	A Comet appeared from *Feb.* 18, to *March* 14.
1742	A Conjunction of ♄ and ♃ *Auguſt* 18, in ♌
1743	A ſplendid Comet appeared from *December* 23, to *February* 18, in ♈
1744	*March* 4, *France* declared War againſt *England*; and *March* 31, *England* declared War againſt *France*.
1745	*Cape Breton* taken from the *French*, *June* 16.
1746	The *Scotch* Highland Rebels defeated by his Royal Highneſs the Duke of *Cumberland*, at *Culloden*, near *Inverneſs*, *April* 16.
1748	A General Peace ſigned *October* 7.
1749	*Cape Breton* reſtored to the *French*.
1750	The *Britiſh* Fiſhery eſtabliſhed.
1751	The Prince of *Wales* died *March* 20.
1752	The Date and Calendar altered.
1755	*Liſbon* deſtroyed by an Earthquake, *Nov.* 1.
1756	*England* declared War againſt *France*, *May* 18.

A.D.		*Years ſince.*
1756	The Iſland *Minorca* taken by the *French*, *June* 27.	18
1757	Count *Brown* defeated by the King of *Pruſſia* near *Prague*, *May* 6.	17
1757	The King of *Pruſſia* defeated by Count *Daun* at *Collin*, *June* 18.	17
1758	The *French* defeated at *Crevelt* by Pr. *Ferdinand*, *June* 23.	16
1758	Lord *Howe* ſlain, *July* 6, and Gen. *Abercrombie* repulſed at *Ticonderago*, *July* 8.	16
1758	*Cape Breton* taken by the *Engliſh*, *July* 26.	16
1758	The *Ruſſians* defeated at *Zorndorff* by the King of *Pruſſia*, *Sept.* 25.	16
1759	The Iſland of *Guadalupe* taken by Gen. *Barrington* and Commodore *Moore*, *May* 1.	15
1759	The *French* defeated at *Minden* by Pr. *Ferdinand*, *Auguſt* 1.	15
1759	The King of *Pruſſia* defeated at *Cunnerſdorff* by the Count *de Soltikoff*, *Auguſt* 12.	15
1759	Gen *Wolfe* ſlain, though victorious, *Sept.* 13, and *Quebec* taken *Sept.* 18, by Gen. *Townſhend*.	15
1760	*Montreal* taken by Gen. *Amherſt*, *Sept.* 8.	14
1760	K. *George* II. died *Oct.* 25, and K. *George* III. began his Reign.	14
1761	*Pondicherry* taken by Col. *Coote*, *Jan.* 15.	13
1761	K. *George* III. married Q. *Charlotte*, *Sept.* 8.	13
1761	K. *George* III. crowned, *Sept.* 22.	13
1762	The Iſland of *Martinico* taken by Gen. *Monckton* and Adm. *Rodney*, *Feb.* 14.	12
1762	*George* Prince of *Wales* born, *Auguſt* 12.	12
1762	The *Havannah* taken by Lord *Albemarle* and Sir *George Pocock*, *Auguſt* 12.	12
1763	A general Peace in all *Europe*.	11
1763	Pr. *Frederick*, Biſhop of *Oſnaburgh*, born *Aug.* 16	11
1765	Prince *William-Henry* born *Auguſt* 21.	9
1766	Princeſs *Charlotte-Auguſta-Matilda* born *Sept.* 29.	8
1767	Prince *Edward* born *Nov.* 2.	7
1768	Princeſs *Sophia-Auguſta* born *Nov.* 8.	6
1770	Princeſs *Elizabeth* born *May* 22.	4
1771	Prince *Erneſt-Auguſtus* born *Jun* 5.	3

Of the Eclipſes this Year 1774.

THERE will be this Year no more than Two Eclipſes, which will happen in the following Order.

The firſt Eclipſe is of the Sun, and will happen on Saturday the 12th Day of *March*, near our Ten o'Clock in the Morning, but will be inviſible to us and to all the Inhabitants of theſe Parts of the Earth; although at the Time of this Eclipſe the Sun will have a conſiderable Altitude above our Horizon, yet the Moon's Parallax of Latitude will depreſs her too low, to interpoſe between the Sun and us.

The ſecond Eclipſe is likewiſe of the Sun, and will happen on the 6th Day of *September*, near our Two o'Clock in the Morning, conſequently inviſible to us, and to all theſe Parts of the Globe; but will be viſible, and a large Eclipſe in the Eaſtern Parts of Aſia.

A Table of the Eclipſes of *Jupiter*'s Firſt Satellite, reduced to correct or apparent Time, 1774.

January.

Emerſions.

D.	H.	M.	S.
2	9	33	40
4	4	1	48
5	22	29	58
7	16	58	11
9	11	26	26
11	5	54	43
13	0	23	0
14	18	51	22
16	13	19	44
18	7	48	7
20	2	16	33
21	20	45	3
23	15	13	36
25	9	42	12
27	4	10	49
28	22	39	28
30	17	8	8

February.

D.	H.	M.	S.
1	11	36	50
3	6	5	35
5	0	34	23
6	19	3	14
8	13	32	9
10	8	1	6
12	2	30	5
13	20	59	5
15	15	28	0
17	9	57	9
19	4	26	15
20	22	55	23
22	17	24	33

February.

Emerſions.

D.	H.	M.	S
24	11	53	45
26	6	22	59
28	0	52	15

Jupiter near the Sun.

May.

Immerſions.

D.	H.	M.	S.
22	3	32	34
23	22	1	6
25	16	29	35
27	10	58	1
29	5	26	24
30	23	54	46

June.

D.	H.	M.	S.
1	18	23	5
3	12	51	19
5	7	19	34
7	1	47	49
8	20	16	3
10	14	44	17
12	9	12	31
14	3	40	44
15	22	8	56
17	16	37	7
19	11	5	16
21	5	33	25
23	0	1	33
24	18	29	40
26	12	57	47
28	7	25	56
30	1	54	6

July.

Immerſions.

D.	H.	M.	S
1	20	22	17
3	14	50	30
5	9	18	43
7	3	46	56
8	22	15	10
10	16	43	24
12	11	11	39
14	5	39	55
16	0	8	12
17	18	36	29
19	13	4	47
21	7	33	8
23	2	1	32
24	20	29	58
26	14	58	25
28	9	26	53
30	3	55	24
31	22	23	58

Auguſt.

D.	H.	M.	S.
2	16	52	34
4	11	21	11
6	5	49	48
8	0	18	26
9	18	47	5
11	13	15	46
13	7	44	28
15	2	13	12
16	20	41	58
18	15	10	46
20	9	39	35
22	4	8	26
23	22	37	18

Auguſt.

Immerſions.

D.	H.	M.	S.
25	17	6	13
27	11	35	10
29	6	4	9
31	0	33	8

September.

D.	H.	M.	S.
1	19	2	8
3	13	31	9
5	8	0	11
7	2	29	12
8	20	58	14
10	15	27	16
12	9	56	18
14	4	25	20
15	22	54	23
17	17	23	26
19	11	52	30
21	6	21	35
23	0	50	40
24	19	19	45
26	13	48	49
28	8	17	53
30	2	46	57

October.				*October.*				*November.*				*December.*			
Immerſions.				Immerſions.				Emerſions.				Emerſions.			
D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.	D.	H.	M.	S.
1	21	16	0	26	16	0	53	16	23	51	9	9	23	56	59
3	15	45	3	28	10	29	37	18	18	19	28	11	18	24	59
5	10	14	5	30	4	58	19	20	12	47	45	13	12	52	59
7	4	43	6	31	23	26	58	22	7	16	1	15	7	20	57
8	23	12	6	*November.*				24	1	44	15	17	1	48	54
10	17	41	5	2	17	55	34	25	20	12	27	18	20	16	51
12	12	10	3	Emerſions.				27	14	40	37	20	14	44	48
14	6	39	0	4	14	31	59	29	9	8	45	22	9	12	45
16	1	7	56	6	9	0	31	*December.*				24	3	40	43
17	19	36	50	8	3	29	4	1	3	36	50	25	22	8	42
19	14	5	43	9	21	57	34	2	22	4	54	27	16	36	42
21	8	34	34	11	16	26	1	4	16	32	56	29	11	4	42
23	3	3	22	13	10	54	26	6	11	0	57	31	5	32	42
24	21	32	8	15	5	22	49	8	5	28	58				

The Times of the Eclipſes contained in this Table are adapted to the Meridian of the Royal Obſervatory near *London*; and by carefully obſerving the Times of the Immerſions and Emerſions of this Satellite, which is the moſt convenient and proper for Geographical Purpoſes of any of the other three, the Longitude or Difference of the Meridian of the Place where the Obſervation is made, and the Place the Eclipſes are calculated for, may be exactly diſcovered; and is the moſt correct and practical Method ever yet hit upon: notwithſtanding the many whimſical, and ſome ingenious Ways, invented for that Purpoſe, by ſeveral Perſons who have ſpent much Time and Labour, in Hopes of gaining the great Reward of Twenty Thouſand Pounds offered by Parliament, for a practical Method of ſolving that grand Problem with Certainty, but hitherto to no Effect. It is alſo much more eaſy and correct to find the Difference of Meridians by this Method, than by the Eclipſes of the Moon, not only on Account of their more frequent happening, but becauſe the Motion and Times of theſe Immerſions and Emerſions are more eaſily obſerved than the Times of the Beginning and End of a Lunar Eclipſe; becauſe the Time of the Moon's Ingreſs into the

the Shadow of the Earth, and her Egreſs out of it, is not eaſily diſtinguiſhed from that of the Penumbra.

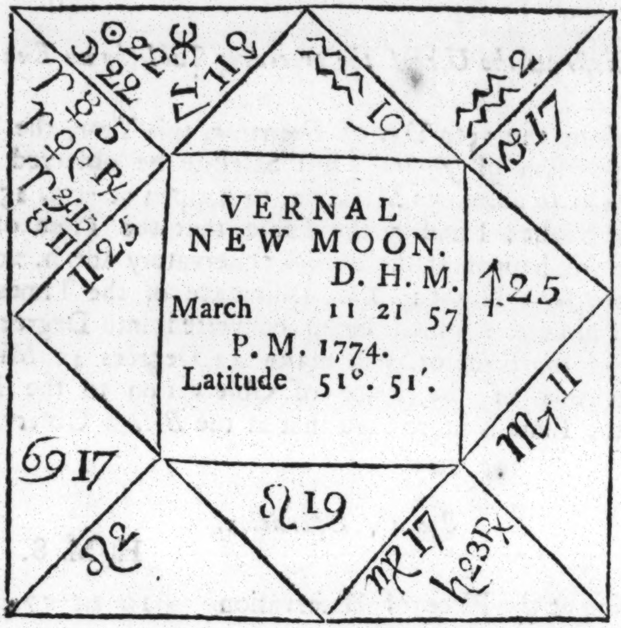
I ſhall illuſtrate the Uſe of the preceding Table by an Example.

Suppoſe on the 15th Day of *December*, this Year, the Time of the Emerſion of *Jupiter*'s firſt Satellite be obſerved by a Teleſcope in an unknown Meridian, to happen at 10 h. 15 min. 57 ſec. at Night; I find by the Table, that the Time of this Emerſion will happen at the *Britiſh* Obſervatory at 7 h. 20 min. 57 ſec. the ſame Night: The Difference of the Times is 2 hours, 55 minutes; which being converted into Degrees and Minutes of the Equator, will make 43 Degrees 45 Minutes, the Longitude of the Place of Obſervation to the Eaſt; becauſe the Time is more than that at the *Britiſh* Obſervatory.

See the Operation.

	H.	M.	S.
Emerſion at the Place of Obſervation	10	15	57
Emerſion at the Obſervatory	7	20	57
The Difference in Time is	2	55	00
In Degrees of the Equator	43°	45′	00 Eaſt.

THE



THE Vernal or Spring Quarter begins this Year on the 20th Day of *March*, at 44 Minutes paſt Noon: But for ſome Reaſons formerly given in this Almanack, I ſhall have a more ſpecial Regard to the Time of the Lunation next preceding this Ingreſs, as a proper Baſis for the ingenious Artiſt to raiſe a Judgment on this Year's Revolution.

A Table of the Equation of natural Days, exactly calculated for the Year 1774.

D.	*Janua.*		*Febr.*		*March.*		*April.*		*May.*		*June.*	
1	4 S.	15	14 S.	11	12 S	44	3 S.	59	3 A	8	2 A	43
2	4	44	14	18	12	32	3	41	3	16	2	34
3	5	12	14	24	12	19	3	23	3	23	2	25
4	5	39	14	29	12	6	3	5	3	29	2	15
5	6	5	14	34	11	52	2	47	3	35	2	5
6	6	31	14	38	11	38	2	30	3	40	1	54
7	6	57	14	42	11	23	2	12	3	45	1	43
8	7	22	14	44	11	8	1	54	3	49	1	32
9	7	47	14	45	10	53	1	37	3	53	1	21
10	8	12	14	46	10	37	1	20	3	56	1	9
11	8	36	14	46	10	21	1	3	3	58	0	57
12	8	59	14	46	10	5	0	47	4	0	0	45
13	9	22	14	45	9	48	0	31	4	1	0	33
14	9	44	14	43	9	31	0	15	4	2	0	21
15	10	5	14	40	9	13	0 A	1	4	2	0	9
16	10	25	14	36	8	55	0	16	4	2	0 S.	4
17	10	45	14	31	8	37	0	30	4	1	0	17
18	11	4	14	25	8	19	0	43	4	0	0	29
19	11	23	14	19	8	1	0	57	3	58	0	42
20	11	41	14	12	7	43	1	10	3	55	0	55
21	11	58	14	5	7	24	1	23	3	51	1	8
22	12	14	13	57	7	5	1	36	3	47	1	21
23	12	29	13	49	6	46	1	49	3	43	1	33
24	12	43	13	40	6	28	2	1	3	38	1	46
25	12	57	13	30	6	9	2	12	3	33	1	59
26	13	10	13	19	5	50	2	22	3	27	2	12
27	13	23	13	8	5	31	2	32	3	21	2	25
28	13	35	12	56	5	13	2	42	3	14	2	37
29	13	46			4	54	2	51	3	7	2	49
30	13	56			4	36	3	0	2	59	3	1
31	14	4			4	17			2	51		

If the equal Time be given; add to, or ſubtract the tabular Numbers from it, as directed by the Table, the Sum or Difference will be the correct or apparent Time.

A Table of the Equation of natural Days, exactly calculated for the Year 1774.

D.	*July.*	*Auguſt.*	*Sept.*	*October*	*Nov.*	*Dec.*
1	3 S.13	5 S 49	0 A 19	10 A 26	16 A 14	10 A 32
2	3 25	5 45	0 38	10 45	16 14	10 8
3	3 36	5 41	0 57	11 3	16 14	9 44
4	3 47	5 36	1 16	11 21	16 13	9 19
5	3 57	5 30	1 35	11 38	16 11	8 54
6	4 7	5 23	1 55	11 55	16 8	8 28
7	4 17	5 16	2 15	12 11	16 5	8 2
8	4 26	5 9	2 35	12 27	16 1	7 36
9	4 35	5 1	2 55	12 42	15 56	7 9
10	4 44	4 53	3 15	12 58	15 50	6 42
11	4 52	4 44	3 35	13 14	15 43	6 14
12	5 1	4 35	3 56	13 29	15 35	5 46
13	5 9	4 25	4 17	13 44	15 26	5 18
14	5 16	4 15	4 38	13 58	15 16	4 49
15	5 22	4 4	5 0	14 11	15 5	4 20
16	5 28	3 52	5 (21	14 24	14 54	3 50
17	5 33	3 39	5 42	14 36	14 42	3 20
18	5 38	3 26	6 3	14 48	14 29	2 50
19	5 42	3 12	6 24	14 59	14 16	2 20
20	5 46	2 58	6 45	15 9	14 1	1 50
21	5 49	2 44	7 6	15 19	13 45	1 20
22	5 52	2 29	7 26	15 28	13 29	0 50
23	5 54	2 14	7 47	15 36	13 12	0 20
24	5 56	1 59	8 7	15 43	12 54	0 S.11
25	5 57	1 43	8 27	15 48	12 36	0 41
26	5 57	1 27	8 47	15 54	12 18	1 11
27	5 57	1 10	9 7	16 0	11 59	1 41
28	5 57	0 53	9 26	16 5	11 39	2 10
29	5 56	0 36	9 46	16 9	11 11	2 39
30	5 54	0 18	10 6	16 11	10 55	3 8
31	5 52	0 A 0		16 13		3 37

If the correct or apparent Time be given; add to, or ſubtract the tabular Numbers from it, contrary to the Directions of the Table; the Sum or Difference will be the equal Time.

On the Origin and Source of Springs.

“ THE Hills are of ſingular Service to Mankind in collecting
“ the Particles which thence deſcend into the
“ lower Lands, and water the Earth. There are in the World
“ numberleſs Inſtances of this Kind. Mercator ſays, that toward
“ the Middle of the Iſland of St. Thomas, there is a
“ Mountain well ſtored with Wood, which in that hot Climate
“ is always covered with thick Clouds, even when the Sun is
“ in the Meridian; whence proceed gentle Streams, ſufficient
“ to water all the Sugar Plantations.

“ It may therefore reaſonably be preſumed, that thoſe humid
“ Particles which in theſe Places do neither fall in Rains, or
“ trickle down the Out-ſides of the Hills, are percolated by
“ Degrees thro' the Pores of the Earth, and paſs along the
“ Cranies of the Stone, *&c.* till they find their Way into ſubterranean
“ Reſervoirs; which being thus ſucceſſively ſupplied
“ with Vapour condenſed, may cauſe them to overflow, and
“ thereby feed the Springs that more frequently break out of
“ the Sides of theſe Eminencies, than in any other Place.

“ And thus may the Circulation of Moiſture be imagined to
“ be carried on progreſſively between the higher and the lower
“ Parts of the Earth, in a more reaſonable Manner, than ſuppoſing,
“ as ſome do, either, Firſt, That Springs are the Reſult
“ of Rain-water only, tho' they flow continually, and often

“ without

without Diminution in the drieſt Seaſons, and when no Rain has fallen for a long Space of Time; or, Secondly, That they are derived from Filtration or Percolation of the Sea-water, thro' certain imaginary Tubes or Paſſages within the Earth, in doing whereof they are, with no great Probability, ſaid to loſe their Saltneſs: Which, beſides many others, labours under this Abſurdity, *viz.* That ſome of the greateſt Rivers in the World have their moſt copious Fountains fartheſt from the Sea, and often at ſuch a Diſtance, that it is hardly credible, ſo vaſt Quantities of freſh Water ſhould ſo luckily find a Way thither by the Means above propoſed.

“ It is improbable, for inſtance, that ſuch a River as the Nile, whoſe Source is ſome Hundreds of Miles from any Sea, in a high and mountainous Country, and the Middle of the torrid Zone, ſhould at periodical Times roll down firſt a great Quantity of turbid Water, and fill his ſpacious Bed, and this be followed by ſuch a Flood, as lays a flat Country, of ſo large an Extent as Egypt is, under Water; from which Advantage it becomes indeed a ſort of Granary to the Eaſt, and without it might probably be as barren as are its neighbouring Deſarts.

“ The Attraction of Coheſion ordinarily adduced in the Caſe of Springs, bears no Proportion to theſe Effects. If this Cauſe be continual, it is doubtleſs uniform. Whence then comes it, that the Inundation here mentioned is periodical? Rain in that Country cannot be the Cauſe: Egypt is too well ſurrounded by large Continents, to get much Rain. But it is not unreaſonable to believe, that the Source of this famous River, lying near the Foot of the Mountain of Abyſſinia, which, when the Sun is near the North Tropick, and the

“ Wind

" Wind conſequently North-eaſterly, collect and condenſe the " Vapours directly thither from the vaſt Indian Ocean, when " the Rainy Seaſon in thoſe Latitudes uſually begins; and " hence may proceed the Deluge of Rain, which rolls down " into the flat Country, and produces the before-mentioned " great Effect.

" As there are ſundry Places of the Earth where it ſeldom " or never rains, ſo there are others where it is almoſt always " dripping. The firſt are extenſive Flats, where there are no " Hills to intercept and ſtop the Moiſture floating in the " Winds; the other are mountainous Places, that catch all the " Humidity that comes in their Way. Hilly Countries there- " fore never want an over Proportion of Rain, for which they " often, indeed, rob their neighbouring Plains.

" The Deſign of the Hills then in general ſeems to be, That " they are placed by Providence commonly about the Middle " of the ſeveral Continents, that they might ſerve to ſtop, or " at leaſt to collect, freſh Water, for the Support of vegetable " and animal Life in the adjacent Countries. By their Height " they are alſo of ſignal Uſe and Service in giving the proper " Deſcent to the Streams thus produced, to the End that they " may flow gently, as the Fluids in the Veſſels of the Body do, " thro' every Part, in order to render them of more general " Uſe and Benefit: And from the extraordinary Preſſure of " the ſubterranean, deſcending Waters, probably, proceeds the " free and plentiful Riſe of Springs in Wells dug in lower " Grounds."

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